LOG SHEET SCHIAMACHY CALIBRATION

Date/Time	Description of action	Measurement directory
22/8/gd 7:20	Team S: afgemaakt analyse van WLS_slit_ext! stap 13.3 UID 1. WLS_ext crashed na 12 min. starten nu 3x WLS_ext meting zonder lamp en powersupply van lamp. Resultaat: ok, WLS_ext met lamp (test) → ok	/DATA-DIR/Slit-function-ext/3
22/8/gd 8:00 9:30 10:00	start WLS_ext. UID 48 stap 13.2. succes! Do-ppg S Do Etalon S (copy to Start of Cal / Est-Start of Cal_Warm) 1e x en enige mal. Alles naar CO + MOD Ombouw OS van WLS → Mono voor UV. = Xe + 1 diff. zie volgend Log-sheet	

Formal Run of Measurement

(Measurement ID) WLS_EXT

Request for Actual Status		(cross out entries that are not requested.)
Request for Modification		(fill in only entries to be modified)
Request for Run	X	(no entries = run based on actual default settings)

Scanner Positions

Azimuth	+45.000	deg
Elevation	-45.000	deg

Timeline for each Data Acquisition Period during Measurement

	1	2	3	4	5	6	7	8	9	10
State ID	5									
Repetitions	5									

State Parameters for States used in Timeline (State ID must be given)

Channel	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding
1a	32	2						
1b	32	2						
2b	8	8						
2a	8	8						
3	0.125	32						
4	0.0625	64						
5	0.03125	64						
6	H5	64						
7	H6	64						
8	H7	64						
State ID								

Succes

Stimuli Settings for Existing Blocks in Measurement

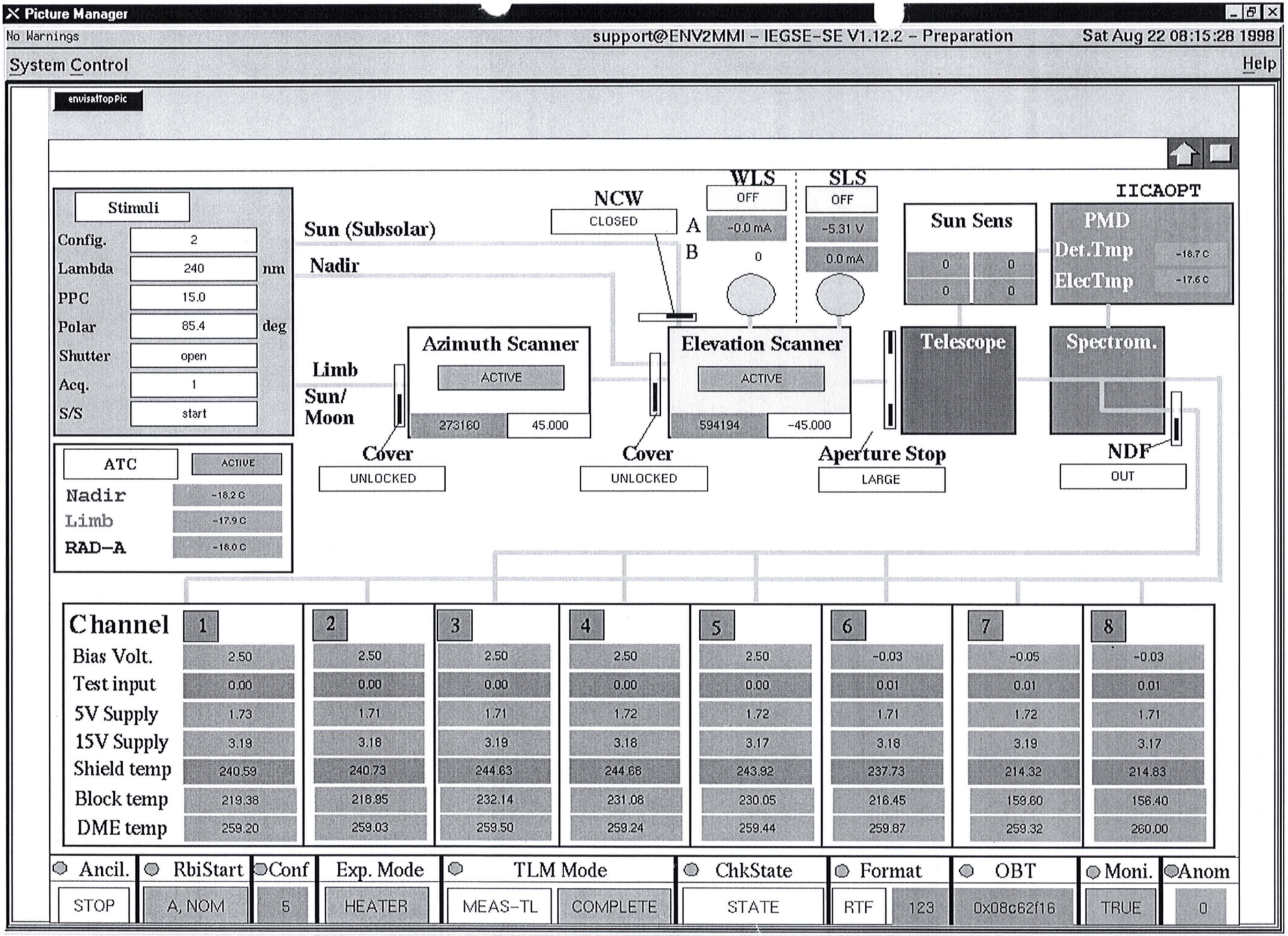
Block No	Stimuli Setup ID	PPC [deg]	Polarizer [deg]	Shutter open/close	Acquisition Time [s]	Lambda [nm] Start	Stop	Step	Repetition Factor	Message	OS Setup Time [s]

Measurement Data Description

Test Purpose	UID 48
Remark	
Data Directory	0234_08.03.11_WLS_EXT

Signatures

	Date	Signature
Issued	22/8	M Kay
< Performed	22-8	Ozsik


Picture Manager
No Warnings
support@ENV2MMI – IEGSE-SE V1.12.2 – Preparation
Sat Aug 22 08:15:28 1998
System Control
Help
envisatTopPic
Stimuli
Config. 2
Lambda 240 nm
PPC 15.0
Polar 85.4 deg
Shutter open
Acq. 1
S/S start
ATC ACTIVE
Nadir -18.2 C
Limb -17.9 C
RAD-A -18.0 C
Sun (Subsolar)
Nadir
Limb
Sun/
Moon
NCW
CLOSED
A
B
WLS
OFF
-0.0 mA
0
SLS
OFF
-5.31 V
0.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -18.7 C
ElecTmp -17.6 C
Azimuth Scanner
ACTIVE
273160 45.000
Elevation Scanner
ACTIVE
594194 -45.000
Telescope
Spectrom.
Cover
UNLOCKED
Cover
UNLOCKED
Aperture Stop
LARGE
NDF
OUT
Channel 1 2 3 4 5 6 7 8
Bias Volt. 2.50 2.50 2.50 2.50 2.50 -0.03 -0.05 -0.03
Test input 0.00 0.00 0.00 0.00 0.00 0.01 0.01 0.01
5V Supply 1.73 1.71 1.71 1.72 1.72 1.71 1.72 1.71
15V Supply 3.19 3.18 3.19 3.18 3.17 3.18 3.19 3.17
Shield temp 240.59 240.73 244.63 244.66 243.92 237.73 214.32 214.83
Block temp 219.38 218.95 232.14 231.08 230.05 216.45 159.60 156.40
DME temp 259.20 259.03 259.50 259.24 259.44 259.87 259.32 260.00
Ancil. STOP
RbiStart A, NOM
Conf 5
Exp. Mode HEATER
TLM Mode MEAS-TL COMPLETE
ChkState STATE
Format RTF 123
OBT 0x08c62f16
Moni. TRUE
Anom 0

PPG external

STEP	ACTION	RESULT	MARKER
Intro	Your name:	BZW + MK	
	Date:	22-08-98	
	What's the name of the (main) data input files generated by the EGSE? (*.dat)	sua-22089993_080639484484.dat (A)	See course descr.
	Setup a three-window configuration on your SUN.		
Cnstr directory	cd ~/DATA-DIR/WLS ; ls -l	-EXT	Note: In window DATA-DIR
	highest number in directory? New directory: mkdir <B+1> ls -l	9 (B)	
	What's now the highest number in directory? <C> should be <B> + 1 directory name is:	10 (C) Y / N -EXT ~/DATA-DIR/WLS/<C>	(DIR-NAME)
Copy data	See Analysis sheet: Transfer Data File	(Y) / N	In DATA-DIR window
Cnstr correction directory	ls -l ~/DATA-DIR/CORR If there isn't a subdirectory corresponding to the current date, then construct a CORRECTION directory (see: analysis sheet Construct CORR directory). What is the valueof the correction subdirectory corresponding to the current date. When running the PPG analysis, you will be asked to select this direcotory when storing the resulting PPG correction file.		In DATA-DIR window

not performed for external msm

PPG external

Note: In window DATA-DIR; your current directory should be ~/DATA-DIR/WLS/<C>; don't forget the dot !!! May take more than 15 mins.

Cnstr EGSE_LTF

`cal_raw2ltf .` (Error messages are not necessarily fatal; check with SOLAN --in solan window-- whether output file is okay: there should be a signal present, and `dremark1` labels should be filled)

`ls -l *.egse_ltf`

scia_22081998_080639_8482.ltf

What's the name of the egse_ltf file _____ (D)

`<D>` should be `<A>.egse_ltf` (Y) / N

Cnstr CAL files

`idl run_averscia` (and select file <D> when asked)

Note: In window IDL

Check CAL files

Dark files:

`ls -l *du*.avg.cal`

size: _____ should be approx 150Kb

White light file:

`ls -l *.wp*.avg.cal`

size: WS _____ should be approx 150Kb

Note: all files should be present, if not:
(a) Check file <D> using SOLAN and check whether DU, WS and WP labels are present in dremark1 labels
(b) Check if enough disk space is available (Unix command `df -k | more`).

Print postscript

Print postscript files:

`lpr -P<printer> *.ps`

Contents dark file `*du*.avg.cal.ps` should be approx. constant within channels: Y / N

Contentsof file `*wu*.avg.cal.ps` should resemble white light source: Y / N

Contents of `*rel_std*.ps` files should be smaller than 0.01 (pixel 300 -- 800) for all channels. Y / N

P/S

PPG extern

	If not, value is:	_____
	Add postscript images to logbook, done	Y / N
Print logfiles	`lpr -P<printer> *.log` Add logfiles to logbook, done	Y / N

PPG processing

Run PPG	`idl do_ppg` ~~do_ppg~~ do_cal-pps for light file: *wpl.*	In IDL window dl.wps out.
Check PPG	`ls -l *` ~~only for *.w~~	In DATA-DIR Window should be approx 150Kb
	Size of file `*.du*.cal.ppg.cal` _____ 8	
	Size of file `*.du*.cal.ppg.cal.log` _____ 394 P 394 S	
	Size of file `*.du*.cal.ppg.cal.ps` _____ 380 P 380 S	
Check PPG visually	`lpr -P<printer> *.du*.cal.ppg.cal.ps` (wsr) *) Value of PPG should show only a small variation around 1.0 (like noise).	(Y) / N
	Add postscript images to logbook, done	(Y) / N
Print logfiles	`lpr -P<printer> *.du*.cal.ppg.cal.log` Add logfiles to logbook, done	(Y) / N

Back up	Create 3 sets of backup CDs of directory <DIR-NAME> (One CD has a capacity of 600 Mbytes, the UNIX command `/usr/bin/du -k .` gives the number of kilo bytes in the current directory).	→ eerst etalon analyse
	Name of backup CDs _____ 220dg8D	See analysis sheet BackUp. This has to be done only for EXTERN-START-OF-CAL-WARM

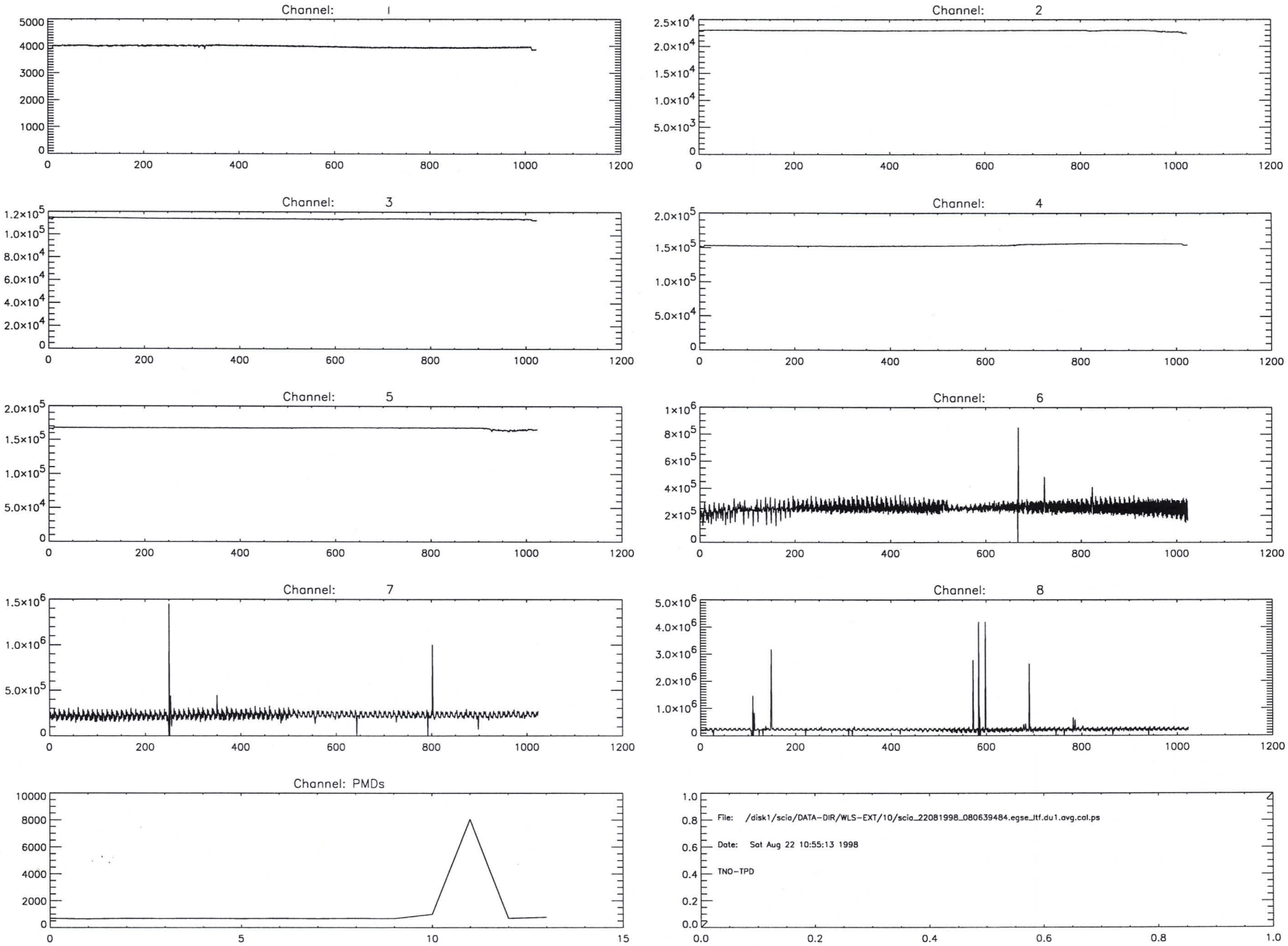
Sign:	Name _____ MKal	(12-5-98) done
	Date and time _____	

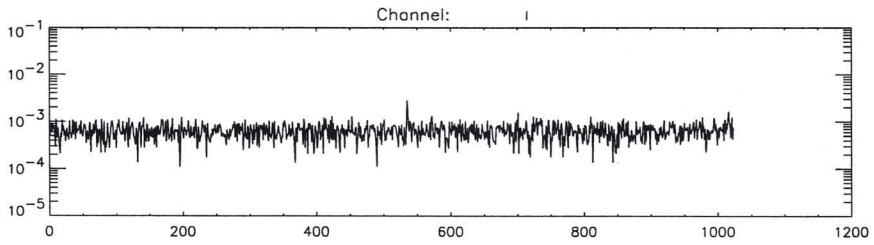
*) If msm performed just after temp change, and N/START-OF-CAL/EXTERN-START-OF-CAL-COLD/WARM is empty: N/START-OF-CAL/EXTERN-START-OF-CAL-WARM/COLD

SS

PPG extern

Signature _____


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/WLS-EXT/10/scia_22081998_080639484.egse_itf.du1.avg.cal.ps
Date: Sat Aug 22 10:55:13 1998
TNO-TPD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10^{-2}
10^{-3}
10^{-4}
10^{-5}
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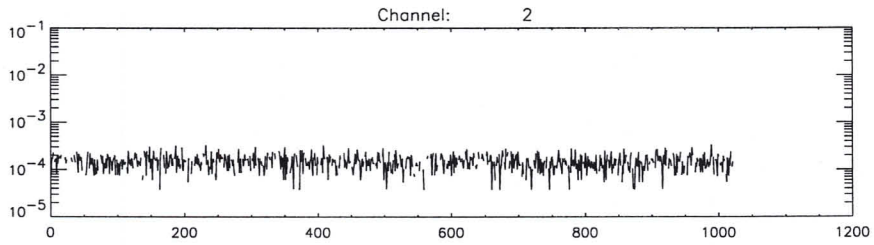
200
400
600
800
1000
1200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10^{-2}
10^{-3}
10^{-4}
10^{-5}
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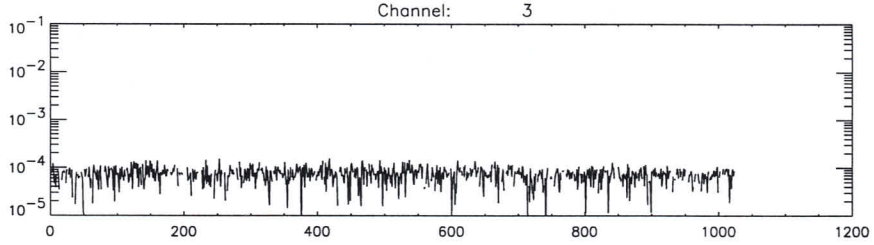
200
400
600
800
1000
1200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10^{-4}
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600
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1000
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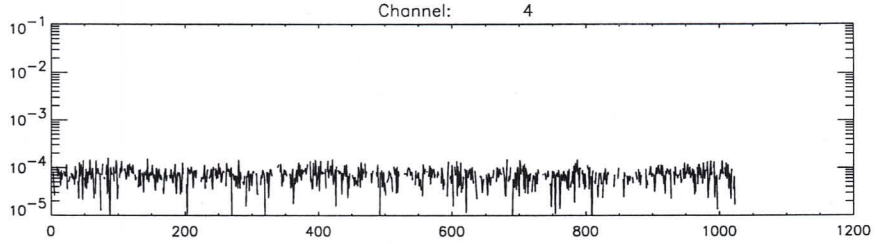
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10^{-2}
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10^{-4}
10^{-5}
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200
400
600
800
1000
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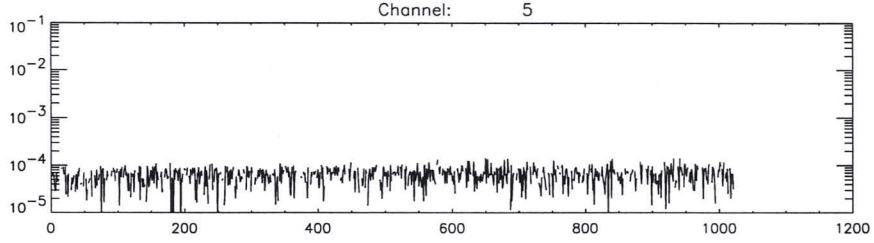
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10^{-2}
10^{-3}
10^{-4}
10^{-5}
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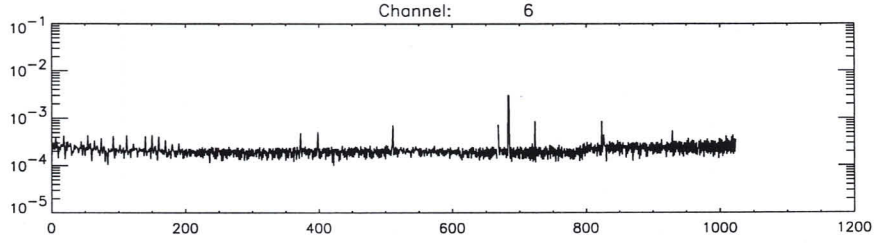
200
400
600
800
1000
1200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10^{-2}
10^{-3}
10^{-4}
10^{-5}
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600
800
1000
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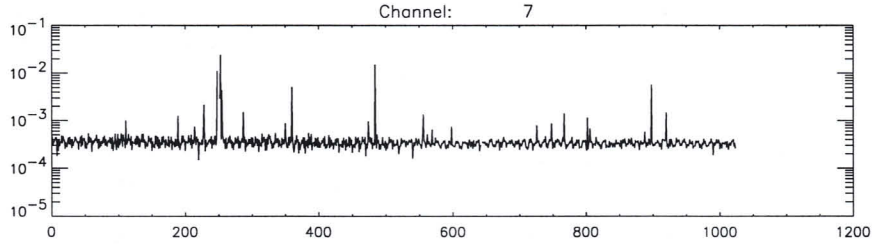
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10^{-2}
10^{-3}
10^{-4}
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400
600
800
1000
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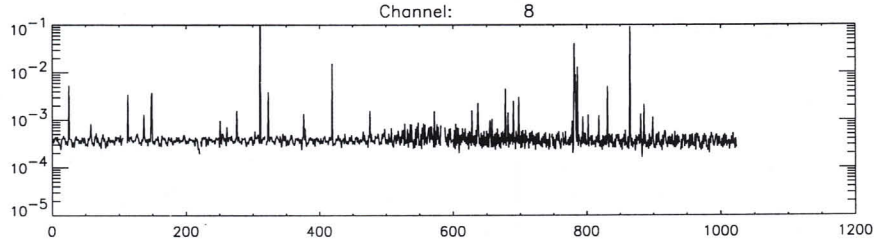
Channel: 8
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
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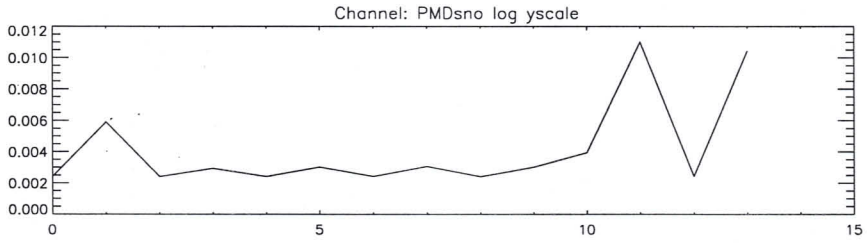
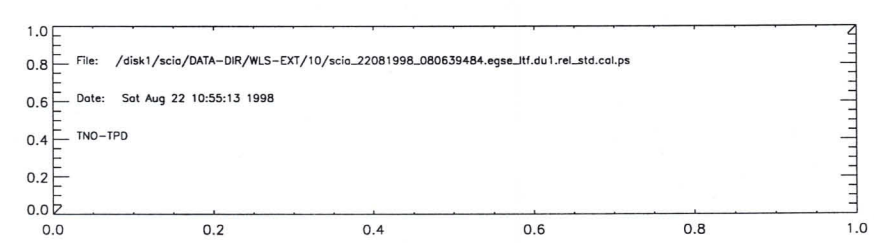
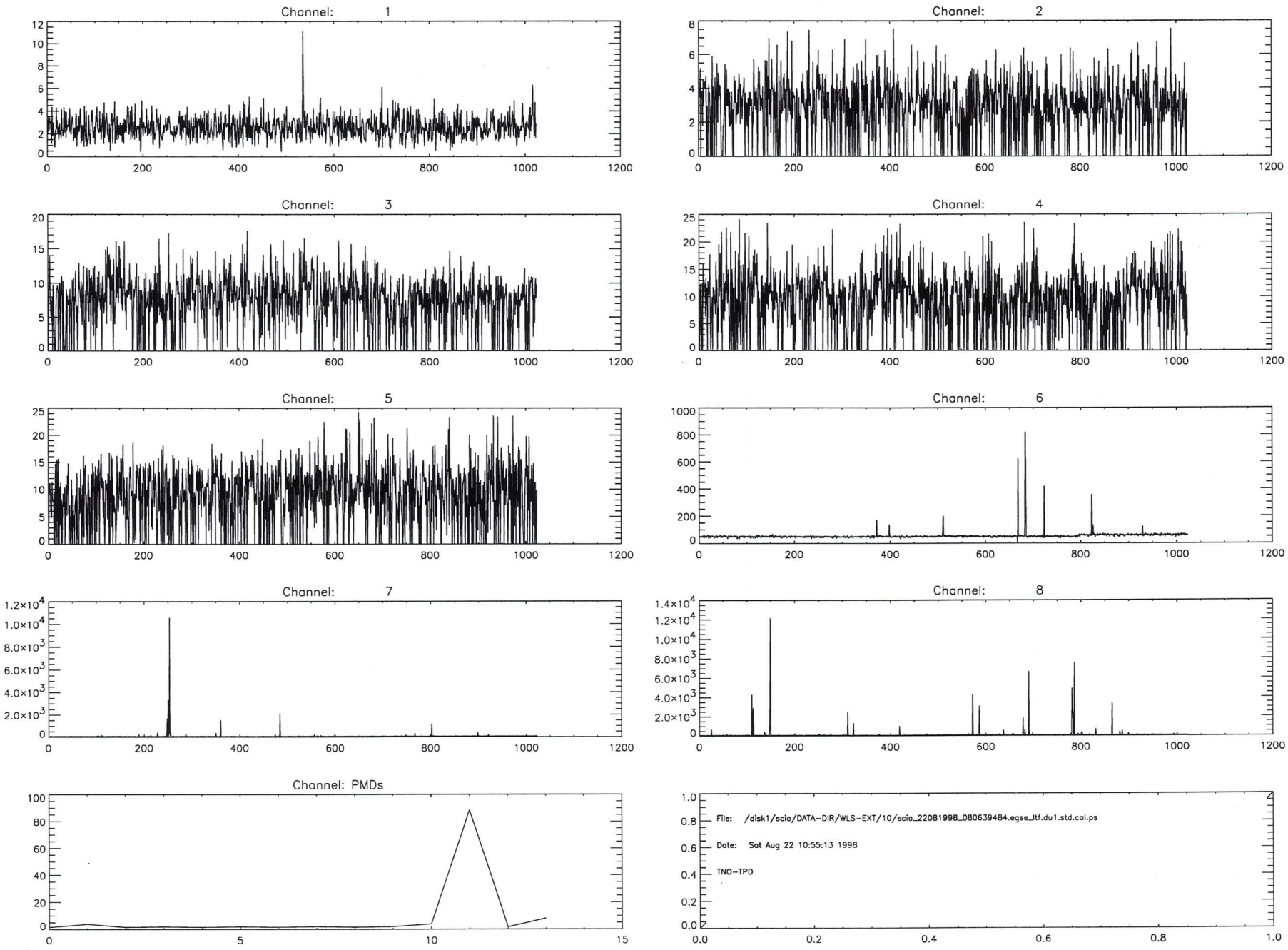
200
400
600
800
1000
1200


Channel: PMDsno log yscale
0.012
0.010
0.008
0.006
0.004
0.002
0.000
0
5
10
15


File: /disk1/scia/DATA-DIR/WLS-EXT/10/scia_22081998_080639484.egse_ltf.du1.rel_std.cal.ps
Date: Sat Aug 22 10:55:13 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/WLS-EXT/10/scia_22081998_080639484.egse_itf.du1.std.cal.ps
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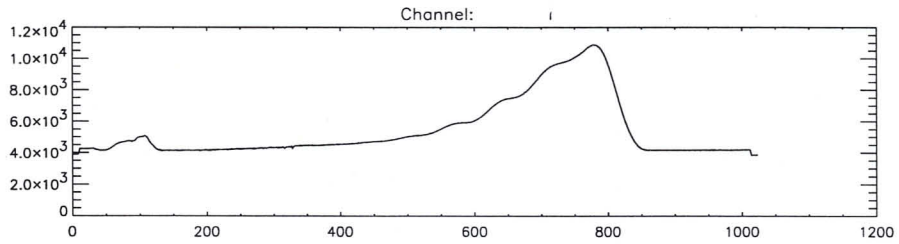
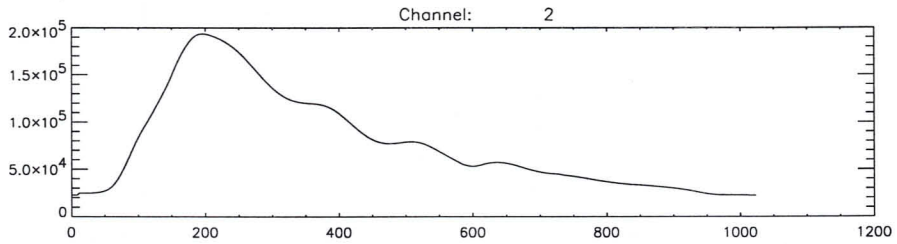
TNO-TPD


Channel: 1
1.2×10^4
1.0×10^4
8.0×10^3
6.0×10^3
4.0×10^3
2.0×10^3
0
0
200
400
600
800
1000
1200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1.0×10^5
5.0×10^4
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600
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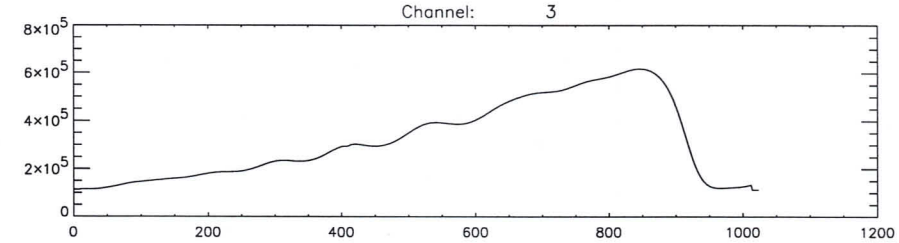
1000
1200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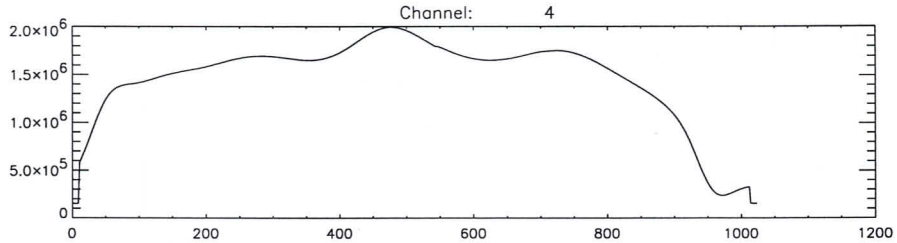
6×10^5
4×10^5
2×10^5
0
0
200
400
600
800
1000
1200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1.5×10^6
1.0×10^6
5.0×10^5
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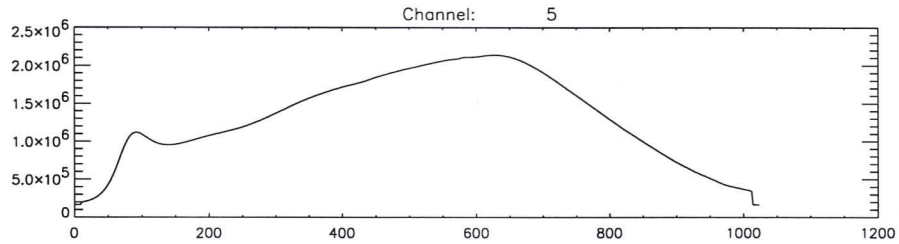
0
200
400
600
800
1000
1200


Channel: 5
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
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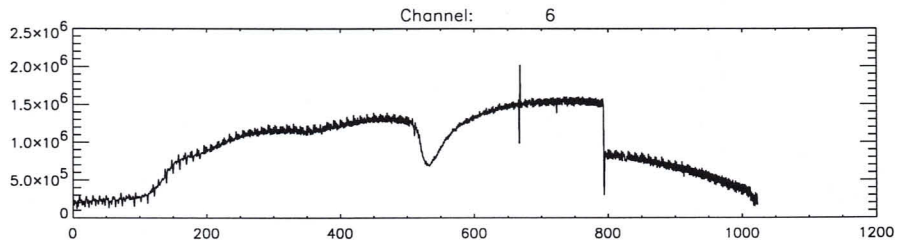
600
800
1000
1200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2.0×10^6
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1.0×10^6
5.0×10^5
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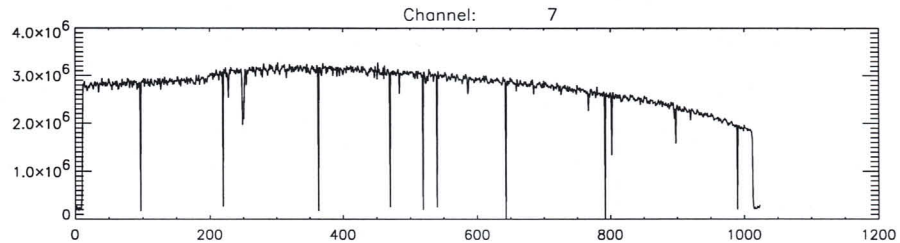
600
800
1000
1200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1000
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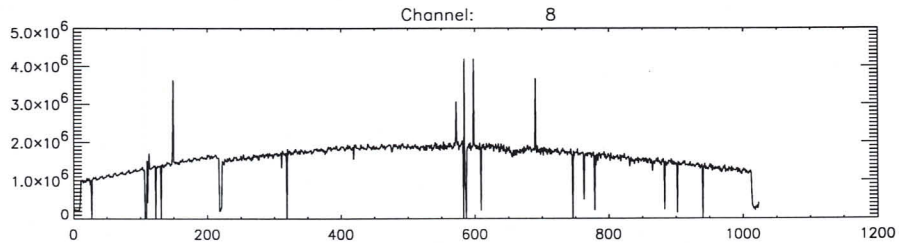
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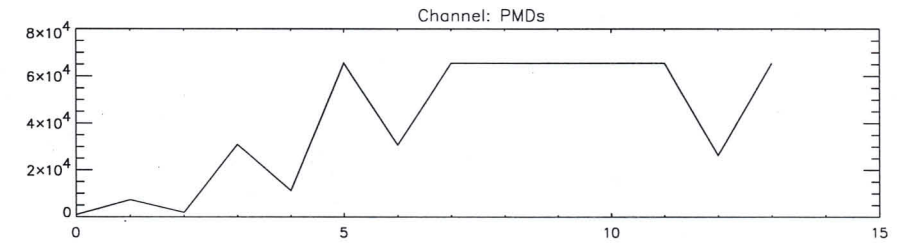
Channel: PMDs
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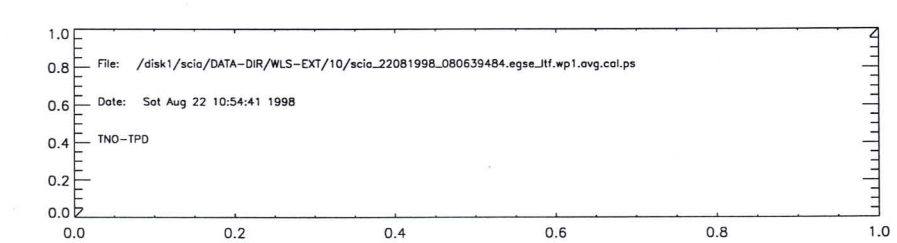
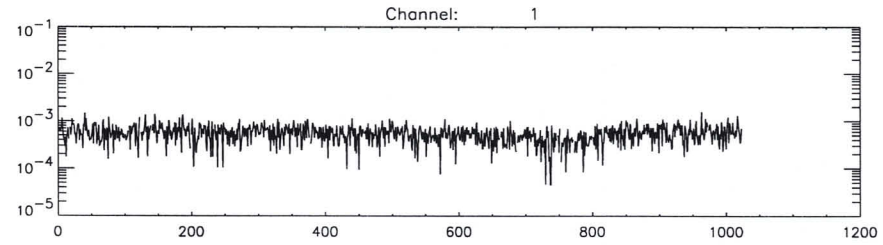
5
10
15


File: /disk1/scia/DATA-DIR/WLS-EXT/10/scia_22081998_080639484.egse_ltf.wp1.avg.cal.ps
Date: Sat Aug 22 10:54:41 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0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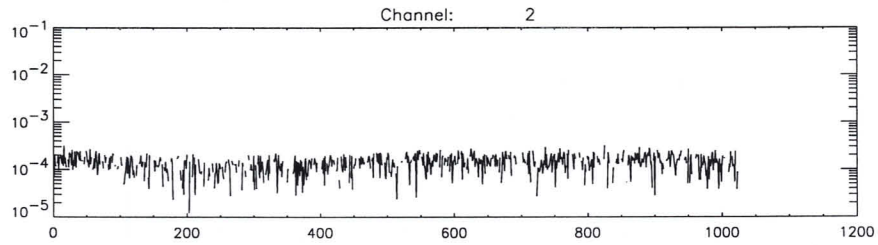
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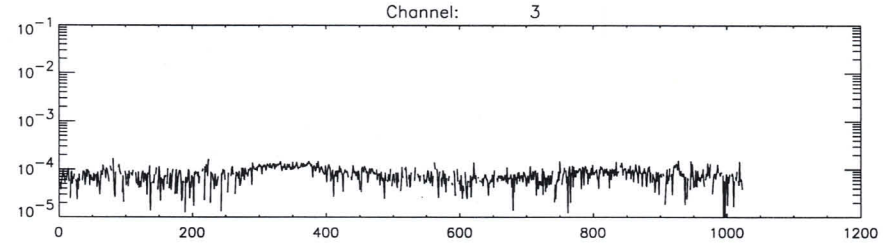
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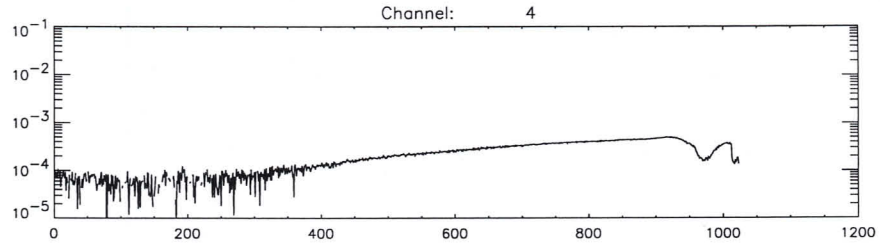
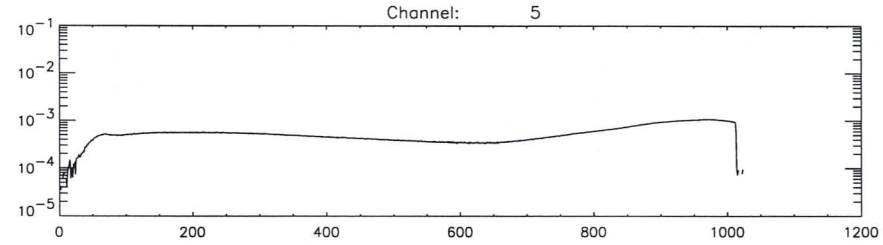
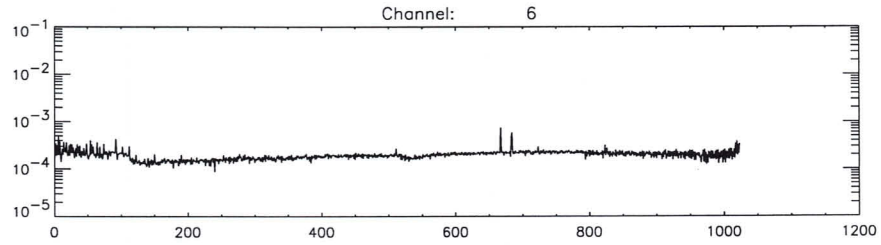
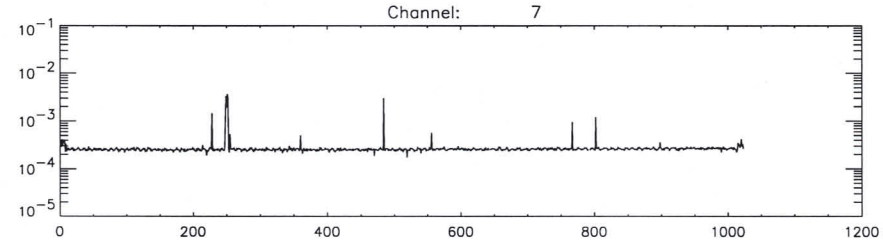
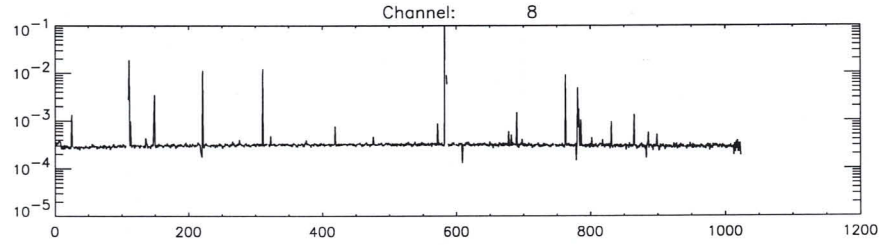
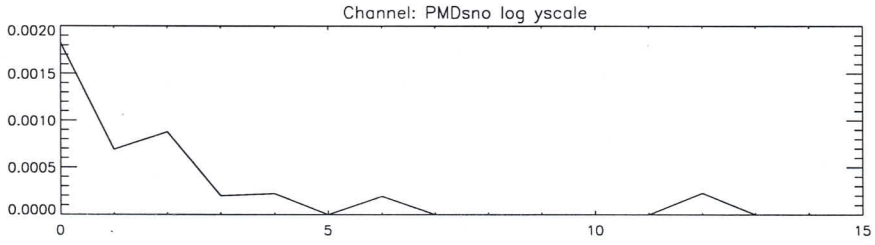

Channel: 4

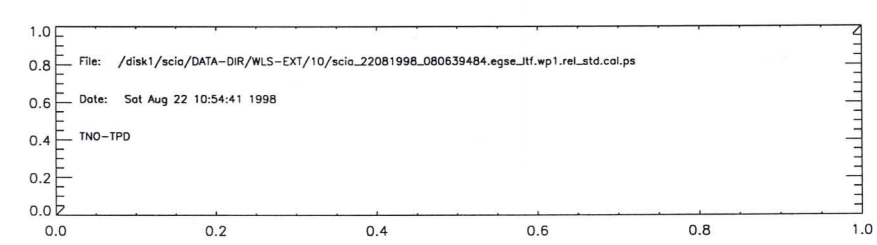

Channel: 5

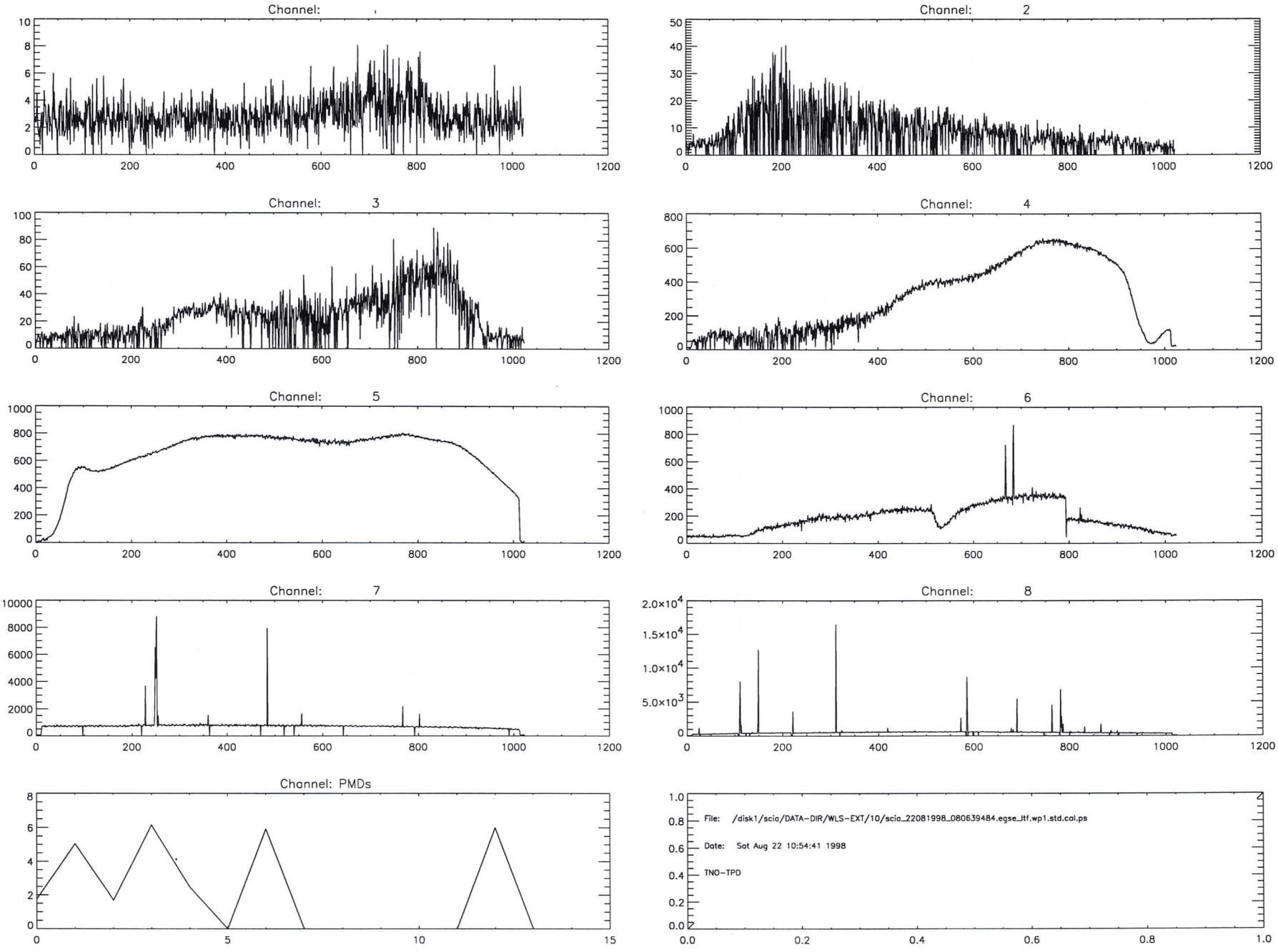

Channel: 6

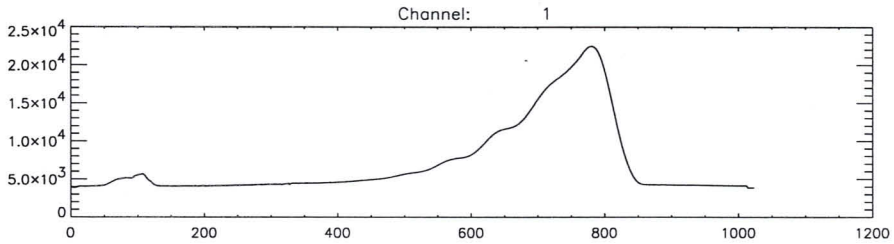

Channel: 7

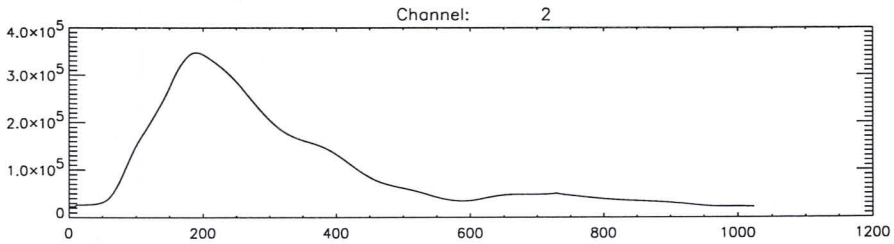

Channel: 8

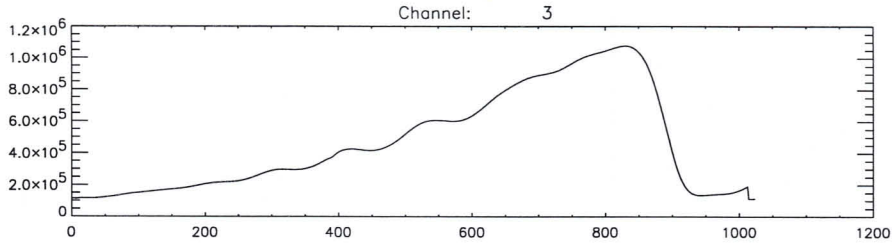

Channel: PMDsno log yscale

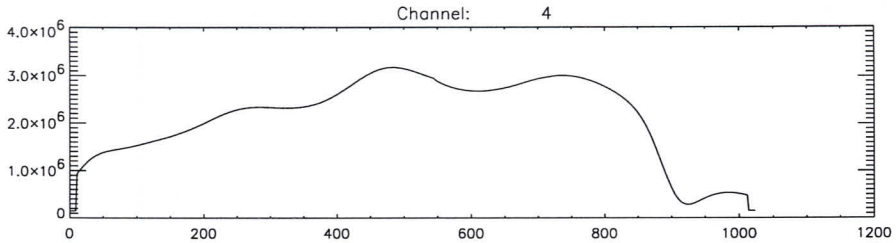

File: /disk1/scia/DATA-DIR/WLS-EXT/10/scia_22081998_080639484.egse_ltf.wp1.rel_std.cal.ps
Date: Sat Aug 22 10:54:41 1998
TNO-TPD

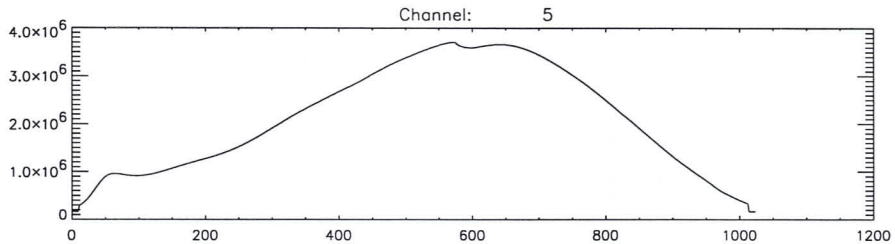

Channel:
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/WLS-EXT/10/scia_22081998_080639484.egse_itf.wp1.std.cal.ps
Date: Sat Aug 22 10:54:41 1998
TNO-TPD

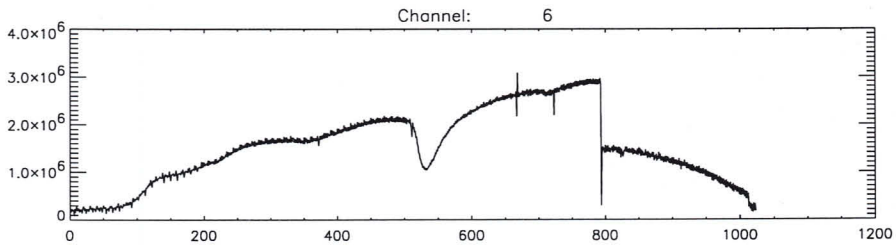

Channel: 1
2.5x10^4
2.0x10^4
1.5x10^4
1.0x10^4
5.0x10^3
0
0
200
400
600
800
1000
1200

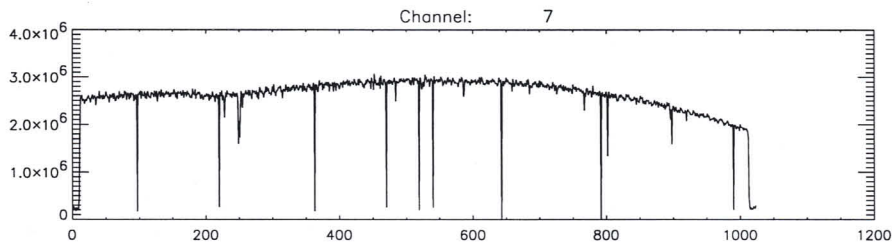

Channel: 2
4.0x10^5
3.0x10^5
2.0x10^5
1.0x10^5
0
0
200
400
600
800
1000
1200

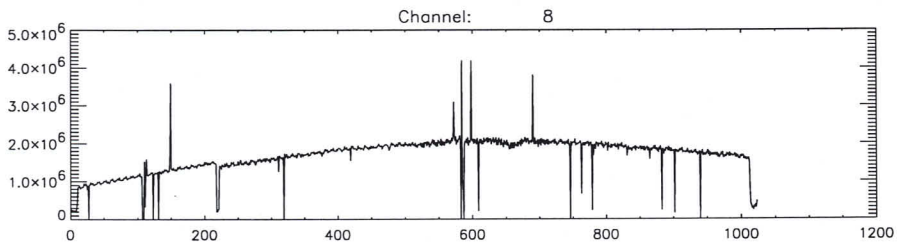

Channel: 3
1.2x10^6
1.0x10^6
8.0x10^5
6.0x10^5
4.0x10^5
2.0x10^5
0
0
200
400
600
800
1000
1200

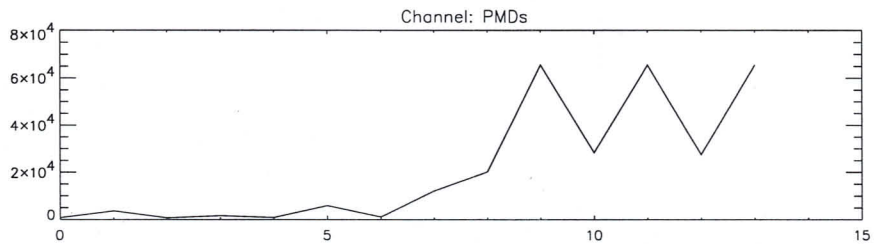

Channel: 4
4.0x10^6
3.0x10^6
2.0x10^6
1.0x10^6
0
0
200
400
600
800
1000
1200

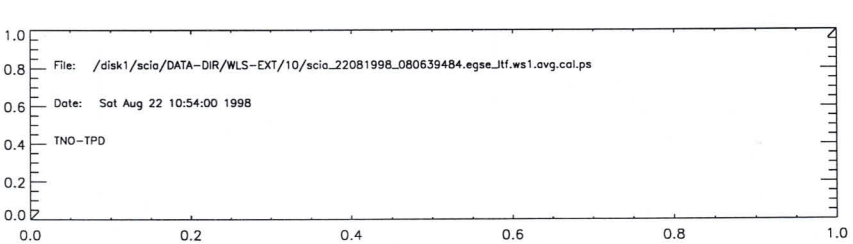

Channel: 5
4.0x10^6
3.0x10^6
2.0x10^6
1.0x10^6
0
0
200
400
600
800
1000
1200

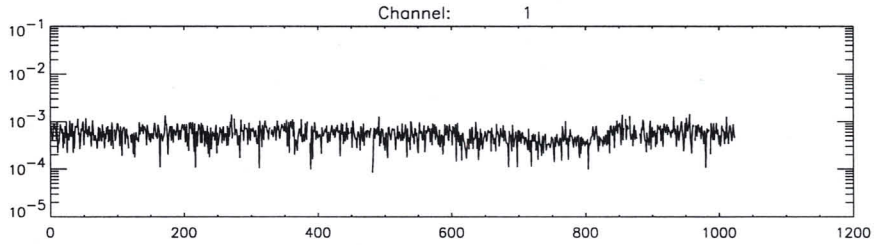

Channel: 6
4.0x10^6
3.0x10^6
2.0x10^6
1.0x10^6
0
0
200
400
600
800
1000
1200

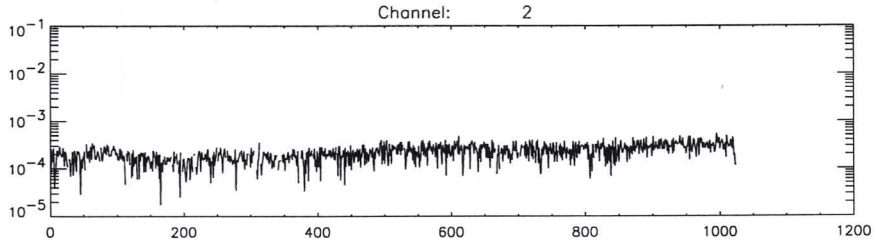

Channel: 7
4.0x10^6
3.0x10^6
2.0x10^6
1.0x10^6
0
0
200
400
600
800
1000
1200

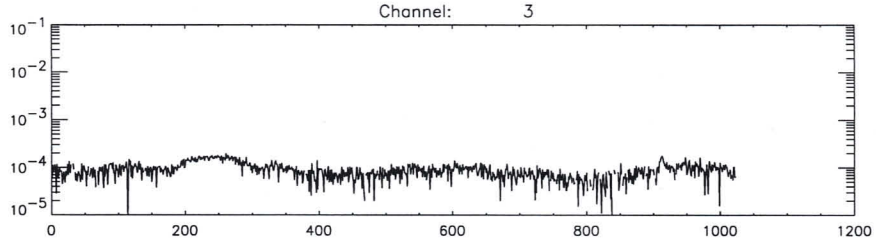

Channel: 8
5.0x10^6
4.0x10^6
3.0x10^6
2.0x10^6
1.0x10^6
0
0
200
400
600
800
1000
1200

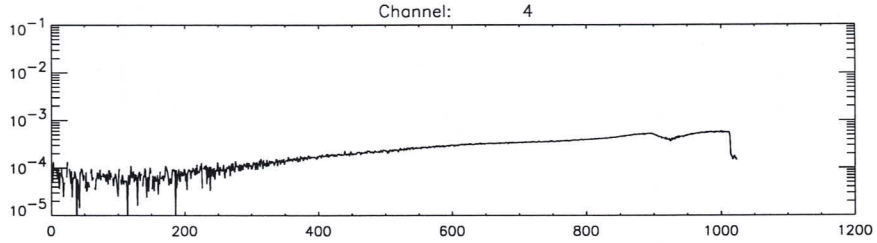

Channel: PMDs
8x10^4
6x10^4
4x10^4
2x10^4
0
0
5
10
15

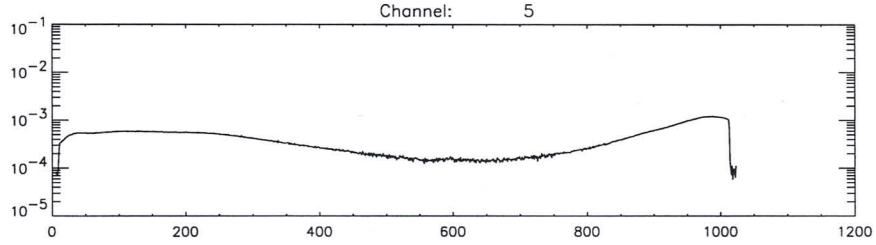

1.0
0.8
0.6
0.4
0.2
0.0
File: /disk1/scia/DATA-DIR/WLS-EXT/10/scia_22081998_080639484.egse_ltf.ws1.avg.cal.ps
Date: Sat Aug 22 10:54:00 1998
TNO-TPD
0.0
0.2
0.4
0.6
0.8
1.0

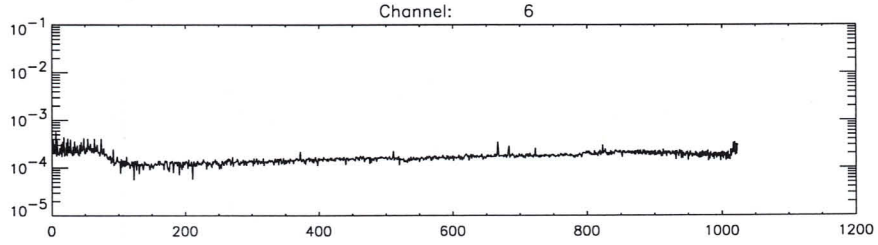

Channel: 1
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

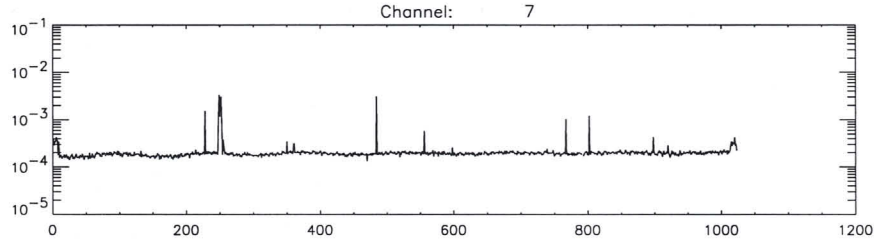

Channel: 2
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

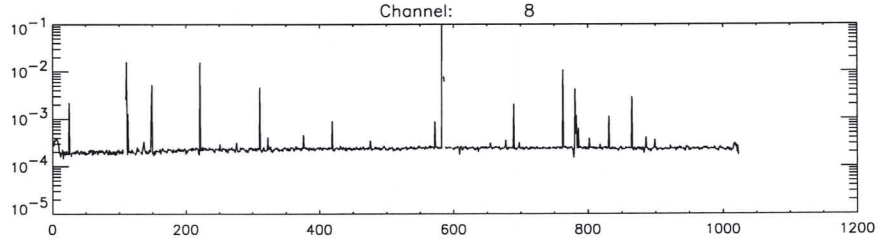

Channel: 3
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

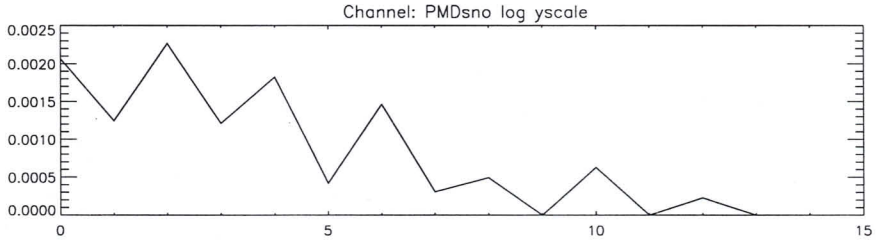

Channel: 4
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

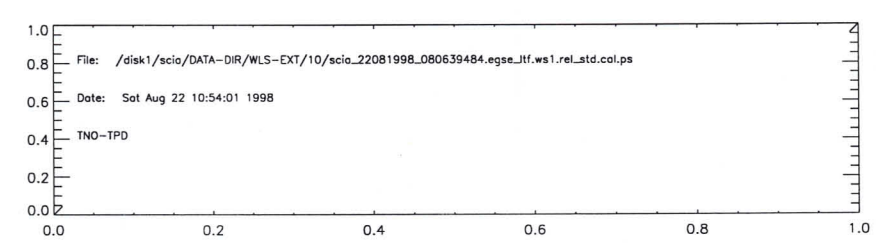

Channel: 5
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

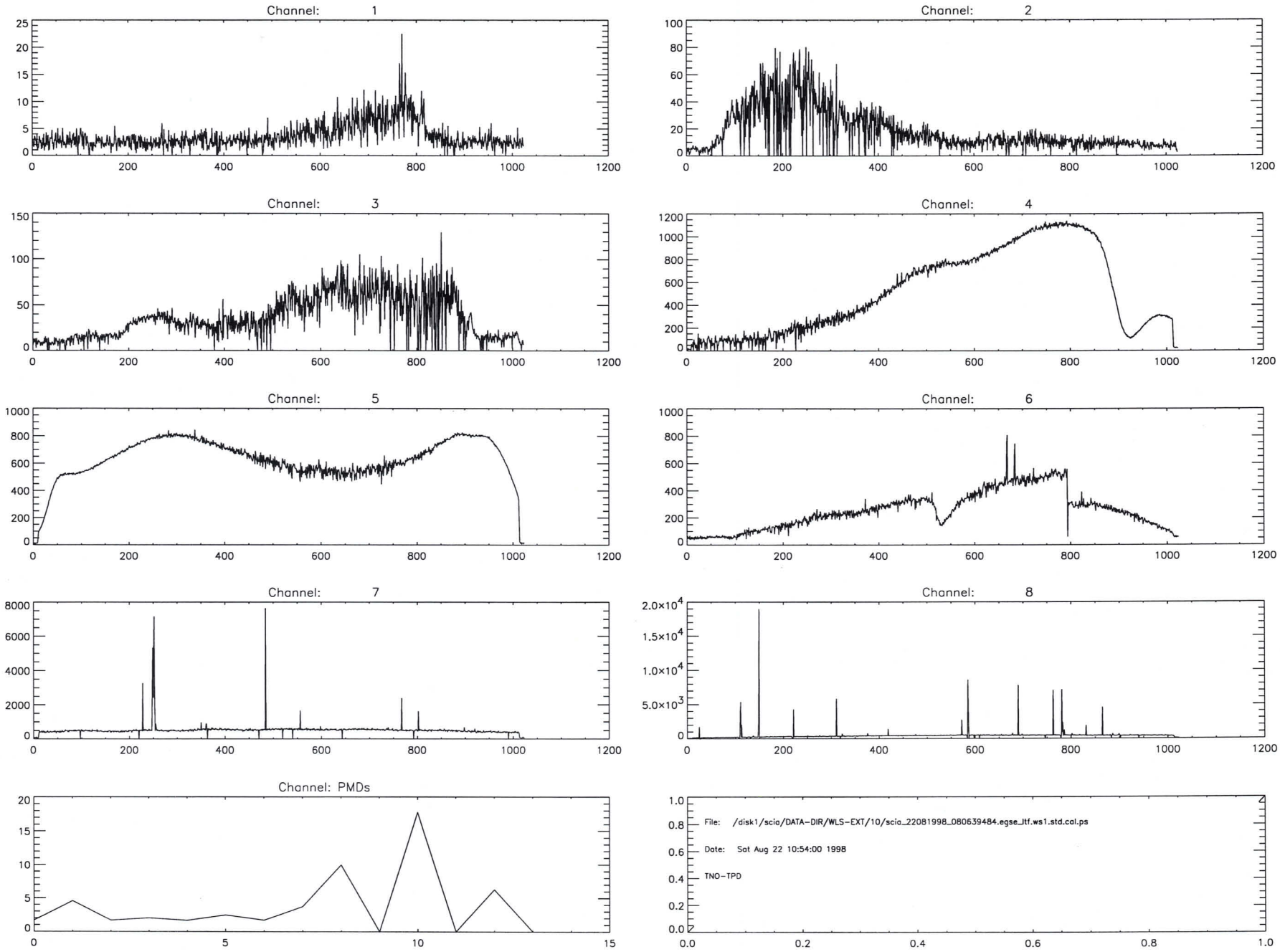

Channel: 6
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: 7
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: 8
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: PMDsno log yscale
0.0025
0.0020
0.0015
0.0010
0.0005
0.0000
0
5
10
15


File: /disk1/scia/DATA-DIR/WLS-EXT/10/scia_22081998_080639484.egse_ltf.ws1.rel_std.cal.ps
Date: Sat Aug 22 10:54:01 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

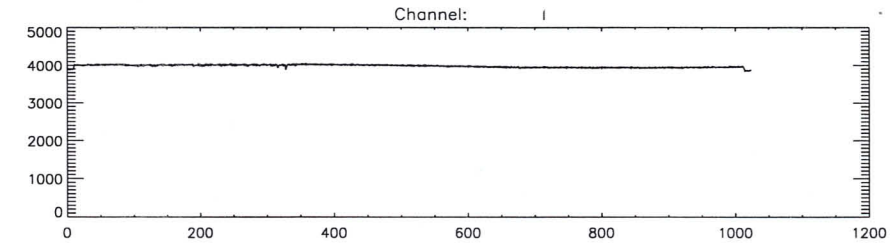

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/WLS-EXT/10/scia_22081998_080639484.egse_ltf.ws1.std.cal.ps
Date: Sat Aug 22 10:54:00 1998
TNO-TPD

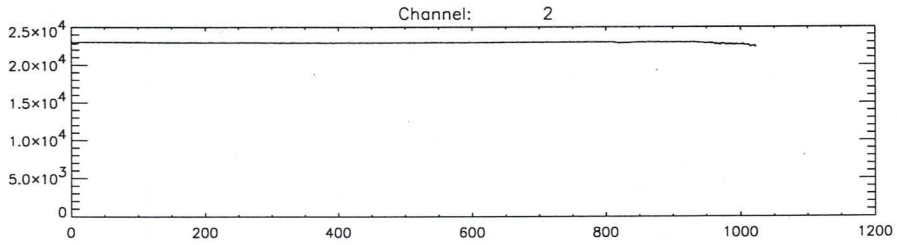
#####
#####
#####
#####
#####
User: scia6!scia
#####
Title: scia_22081998_080639484.egse_ltf.du1.log
#####
scia6
#####
Printed: Sat 10:55 Aug 22, 1998
#####
Job number: hp6mp-493
#####
#####
#####
#####
#####

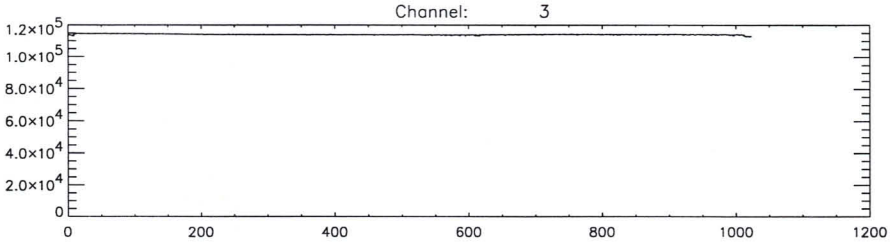
```
time       = Sat Aug 22 10:55:14 1998
batch      = du1
Start TOD = Sat 22-Aug-98 08:19:57
End   TOD = Sat 22-Aug-98 08:25:48
Processing= computation of average, standard dev. and rel.standard dev.
```

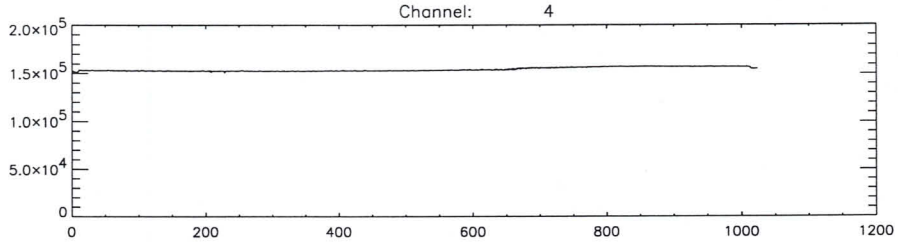
```
time       = Sat Aug 22 10:54:41 1998
batch      = wp1
Start TOD = Sat 22-Aug-98 08:13:30
End   TOD = Sat 22-Aug-98 08:19:57
Processing= computation of average, standard dev. and rel.standard dev.
```

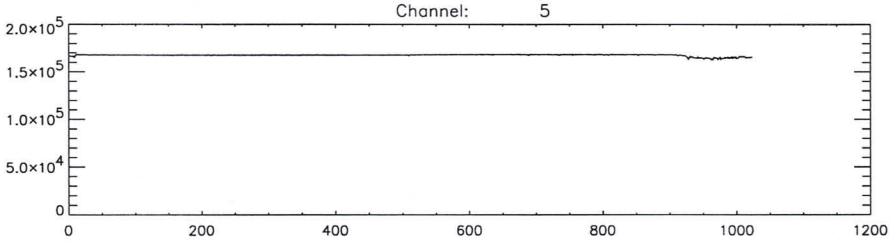
```
time       = Sat Aug 22 10:54:01 1998
batch      = ws1
Start TOD = Sat 22-Aug-98 08:06:39
End   TOD = Sat 22-Aug-98 08:13:30
Processing= computation of average, standard dev. and rel.standard dev.
```

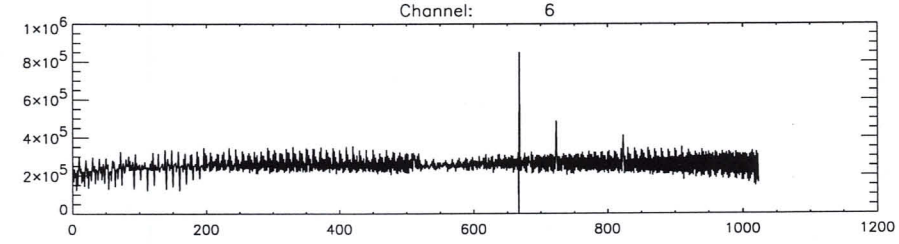

Channel: 1
5000
4000
3000
2000
1000
0
0
200
400
600
800
1000
1200

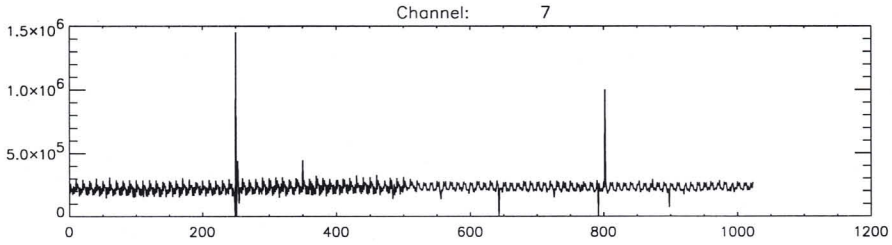

Channel: 2
2.5x10^4
2.0x10^4
1.5x10^4
1.0x10^4
5.0x10^3
0
0
200
400
600
800
1000
1200

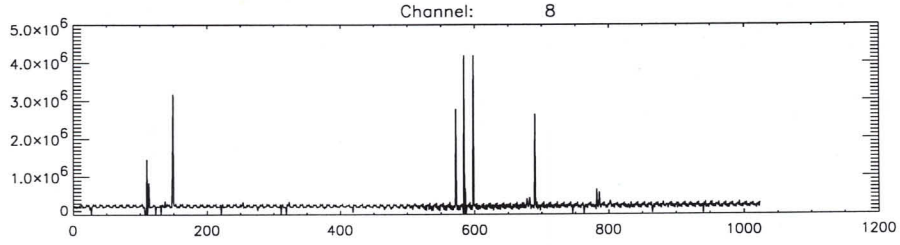

Channel: 3
1.2x10^5
1.0x10^5
8.0x10^4
6.0x10^4
4.0x10^4
2.0x10^4
0
0
200
400
600
800
1000
1200

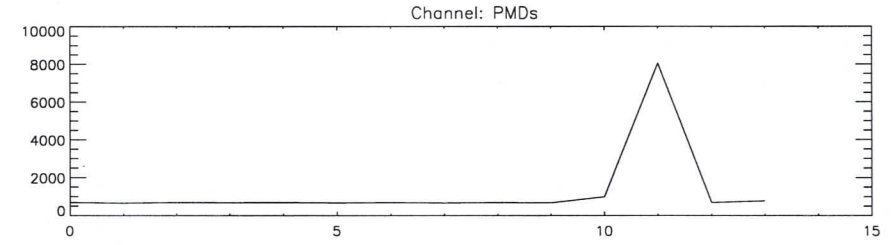

Channel: 4
2.0x10^5
1.5x10^5
1.0x10^5
5.0x10^4
0
0
200
400
600
800
1000
1200

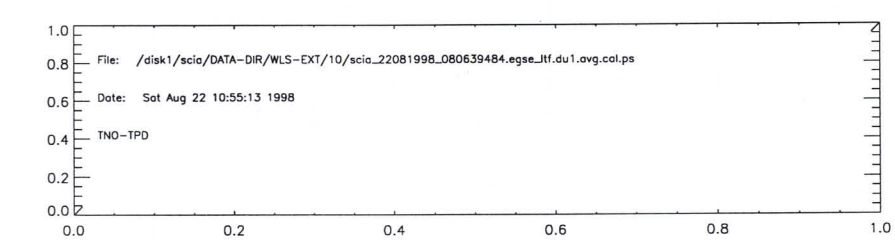

Channel: 5
2.0x10^5
1.5x10^5
1.0x10^5
5.0x10^4
0
0
200
400
600
800
1000
1200

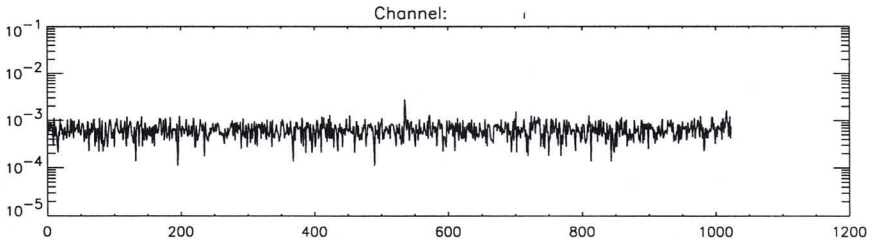

Channel: 6
1x10^6
8x10^5
6x10^5
4x10^5
2x10^5
0
0
200
400
600
800
1000
1200

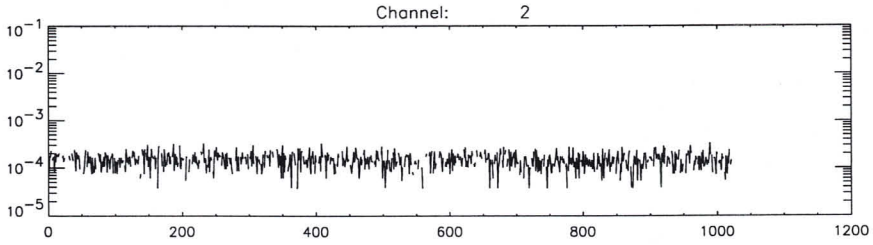

Channel: 7
1.5x10^6
1.0x10^6
5.0x10^5
0
0
200
400
600
800
1000
1200

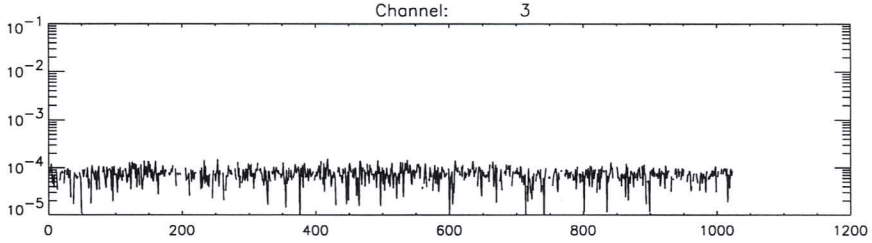

Channel: 8
5.0x10^6
4.0x10^6
3.0x10^6
2.0x10^6
1.0x10^6
0
0
200
400
600
800
1000
1200


Channel: PMDs
10000
8000
6000
4000
2000
0
0
5
10
15


File: /disk1/scia/DATA-DIR/WLS-EXT/10/scia_22081998_080639484.egse_itf.du1.avg.cal.ps
Date: Sat Aug 22 10:55:13 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel:


Channel: 2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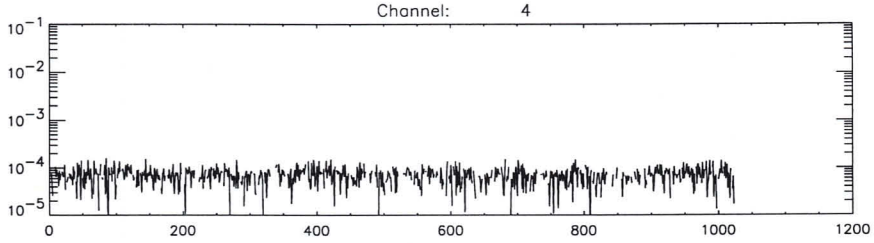
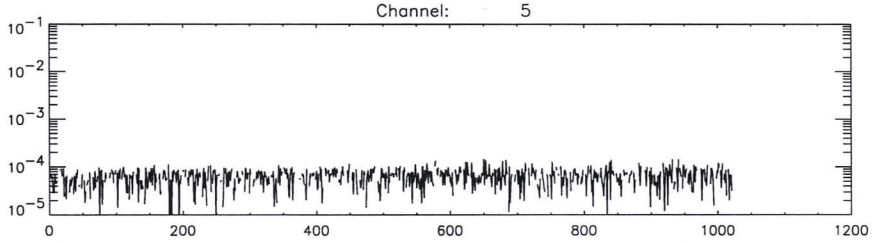
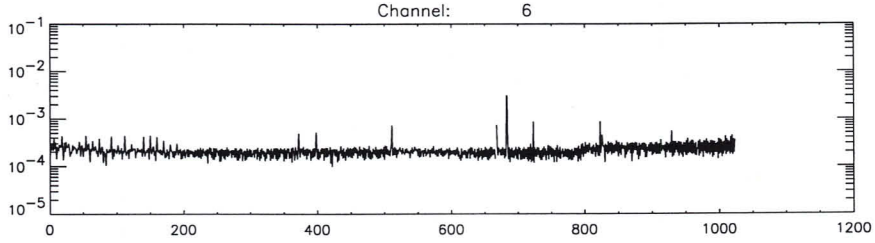
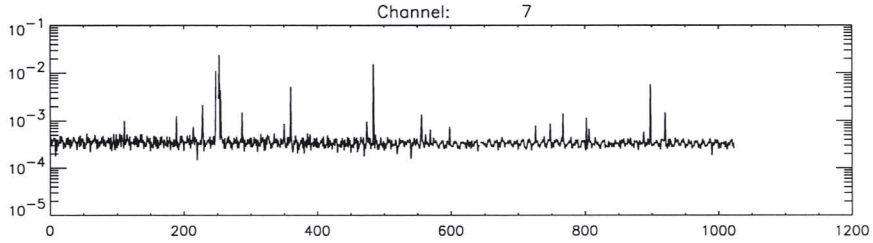
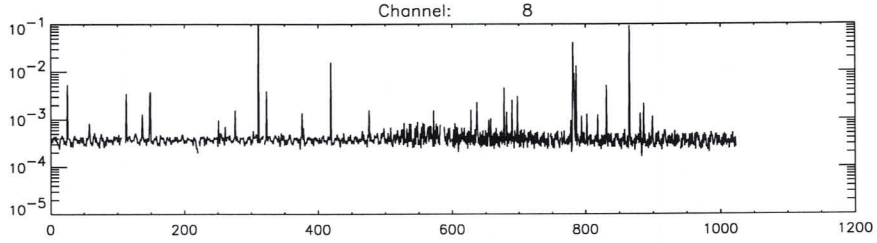
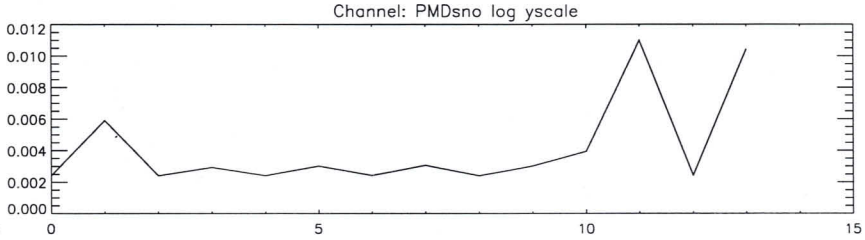

Channel: 4

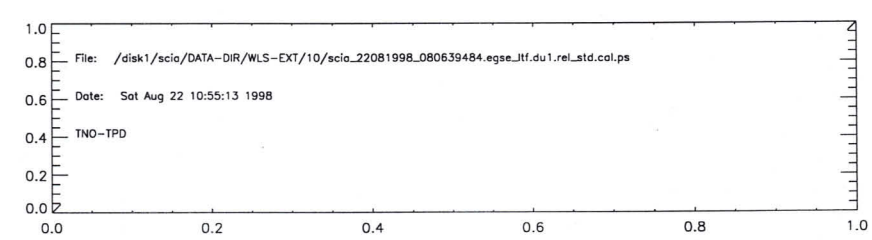

Channel: 5

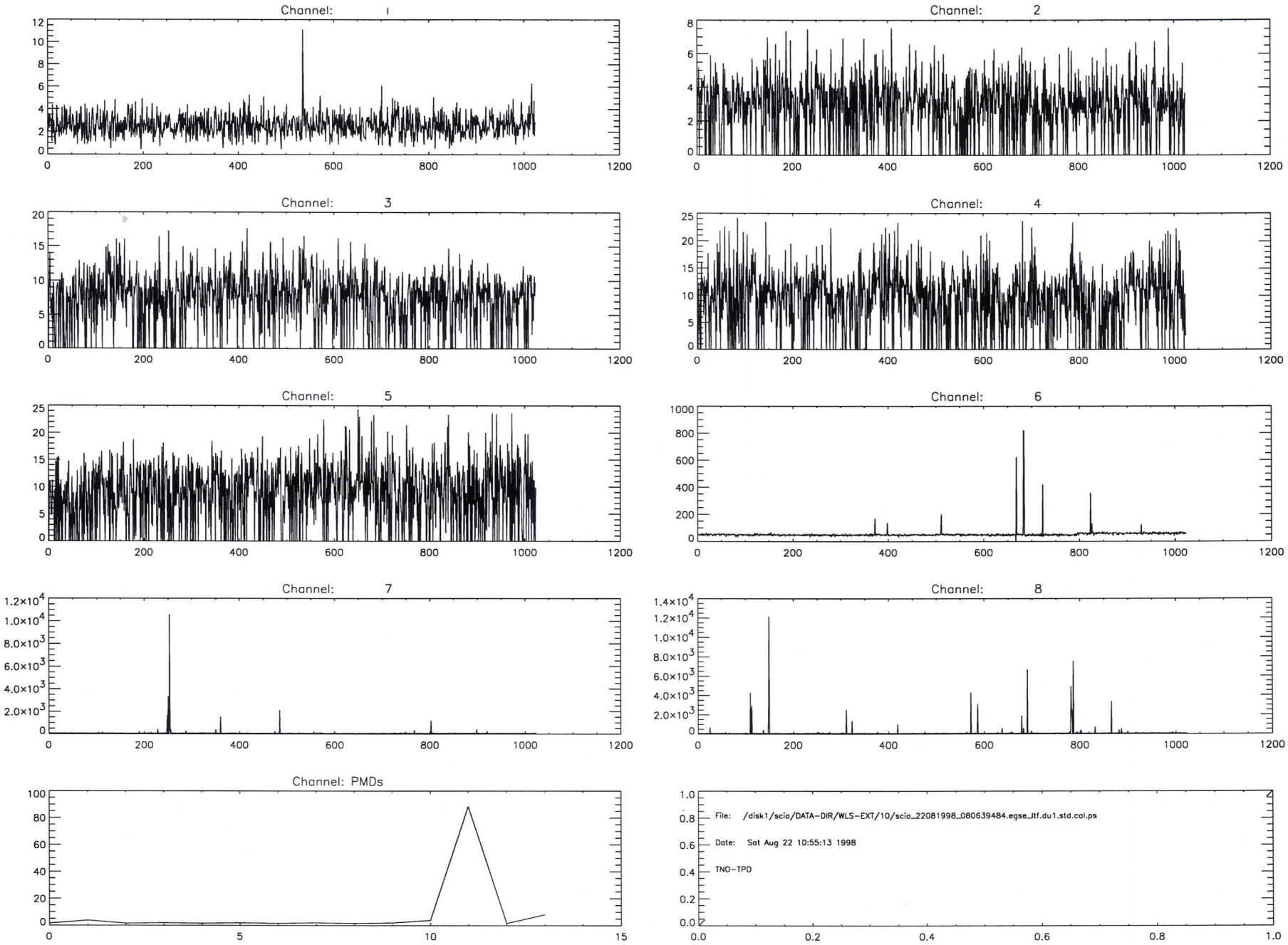

Channel: 6

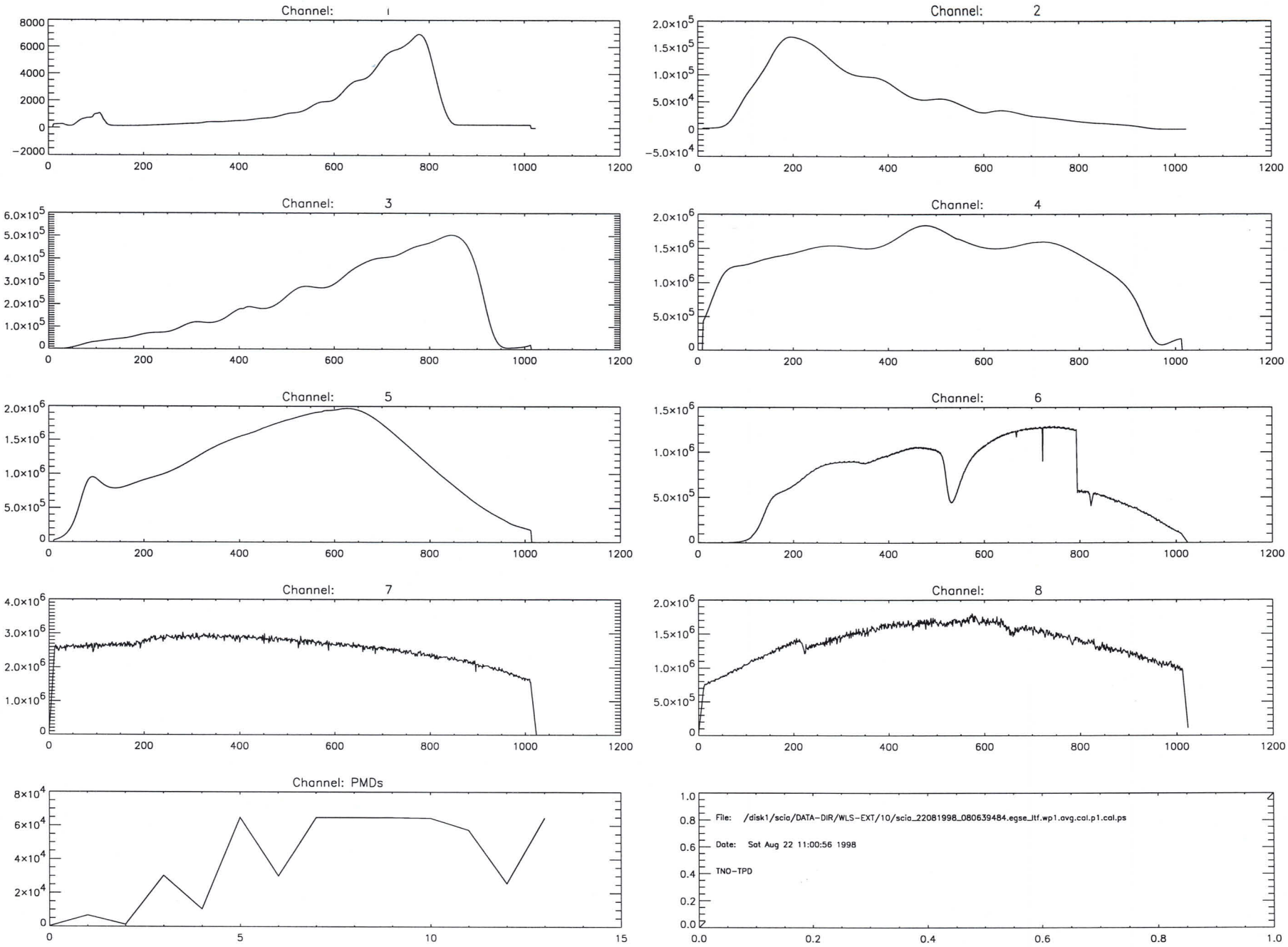

Channel: 7

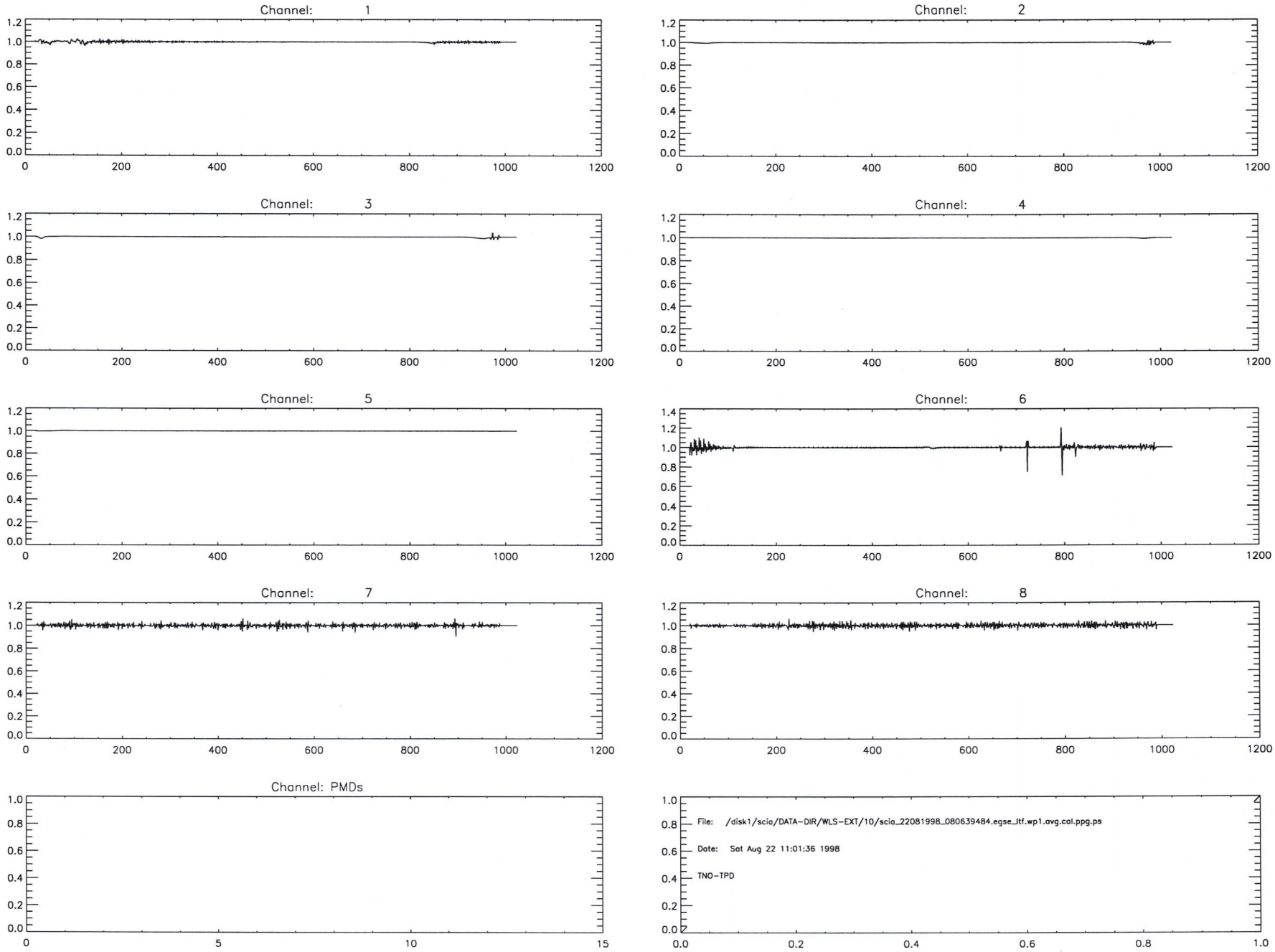

Channel: 8


Channel: PMDsno log yscale


File: /disk1/scia/DATA-DIR/WLS-EXT/10/scia_22081998_080639484.egse_ltf.du1.rel_std.cal.ps
Date: Sat Aug 22 10:55:13 1998
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/WLS-EXT/10/scia_22081998_080639484.egse_itf.du1.std.cal.ps
Date: Sat Aug 22 10:55:13 1998
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/WLS-EXT/10/scia_22081998_080639484.egse_itf.wp1.avg.cal.p1.cal.ps
Date: Sat Aug 22 11:00:56 1998
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
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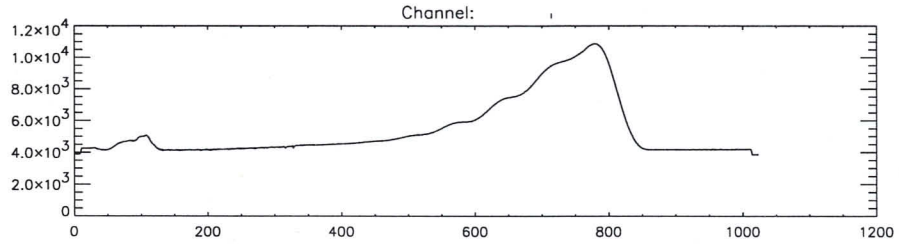
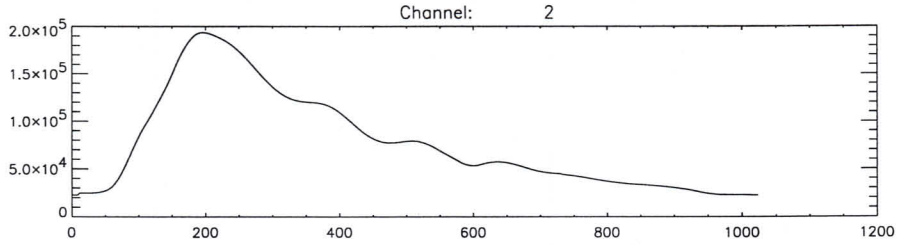
Date: Sat Aug 22 11:01:36 1998
TNO-TPD


Channel:
1.2×10^4
1.0×10^4
8.0×10^3
6.0×10^3
4.0×10^3
2.0×10^3
0
0
200
400
600
800
1000
1200


Channel: 2
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1.5×10^5
1.0×10^5
5.0×10^4
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0
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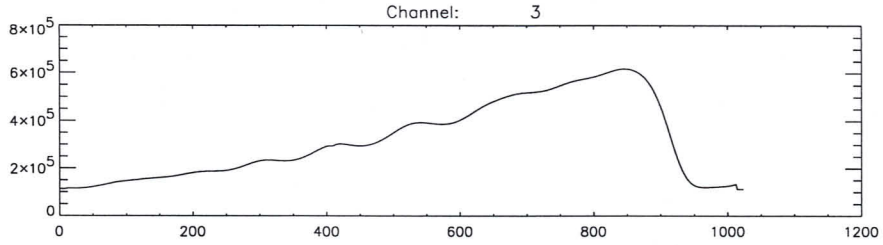
400
600
800
1000
1200


Channel: 3
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6×10^5
4×10^5
2×10^5
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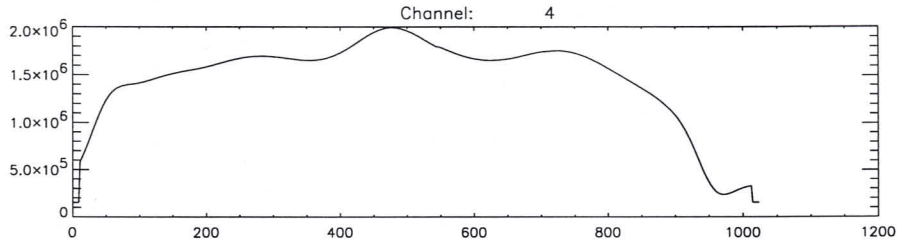
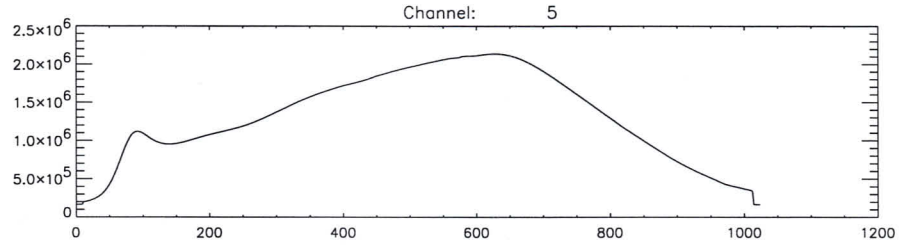
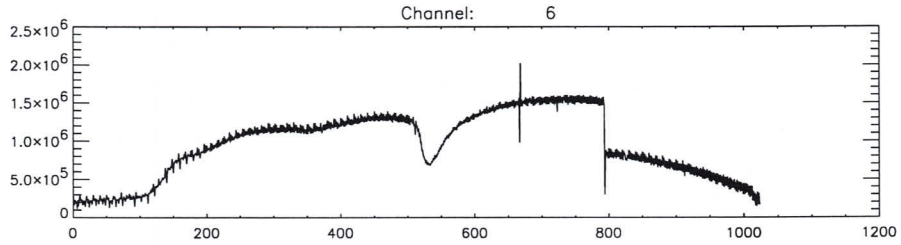
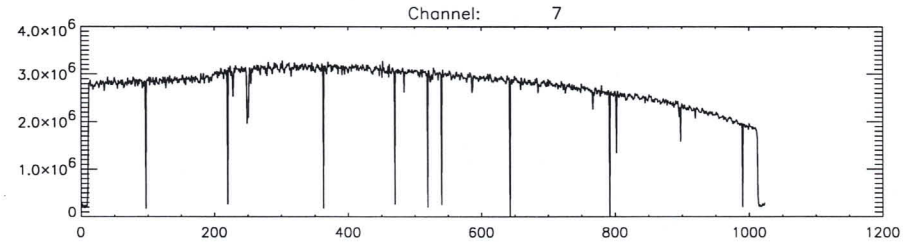
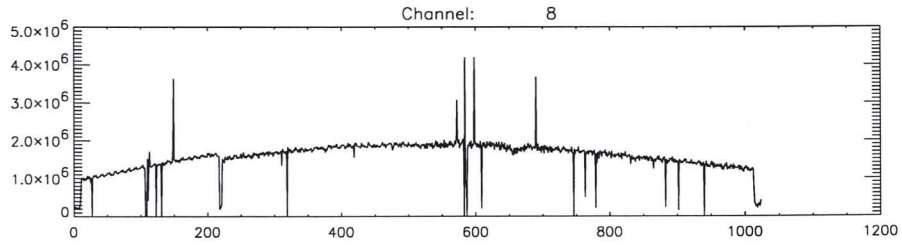
600
800
1000
1200

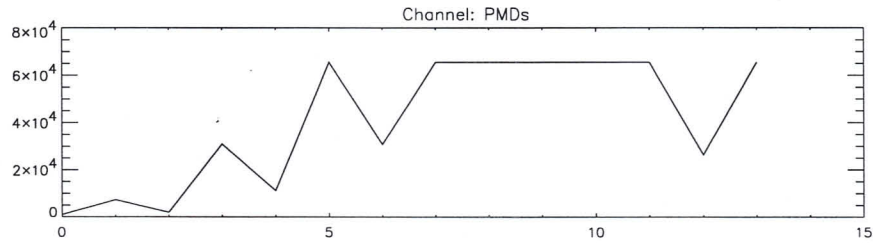

Channel: 4
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
200
400
600
800
1000
1200

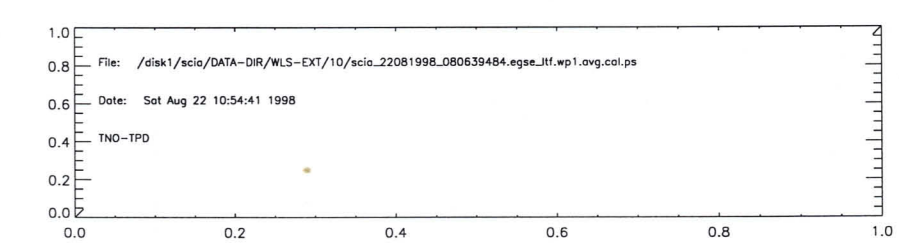

Channel: 5
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
200
400
600
800
1000
1200


Channel: 6
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
200
400
600
800
1000
1200


Channel: 7
4.0×10^6
3.0×10^6
2.0×10^6
1.0×10^6
0
0
200
400
600
800
1000
1200


Channel: 8
5.0×10^6
4.0×10^6
3.0×10^6
2.0×10^6
1.0×10^6
0
0
200
400
600
800
1000
1200


Channel: PMDs
8×10^4
6×10^4
4×10^4
2×10^4
0
0
5
10
15


File: /disk1/scia/DATA-DIR/WLS-EXT/10/scia_22081998_080639484.egse_itf.wp1.avg.cal.ps
Date: Sat Aug 22 10:54:41 1998
TNO-TPD
1.0
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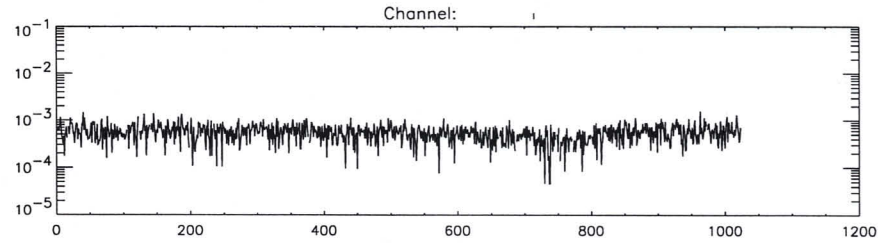
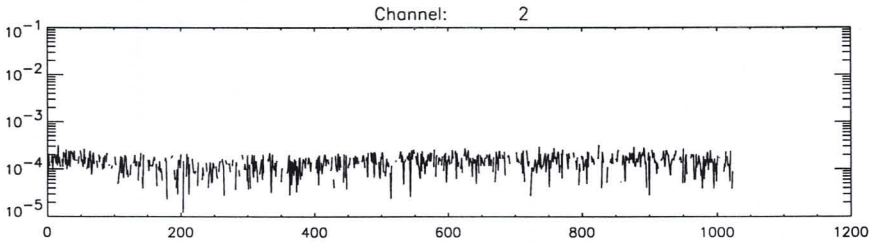
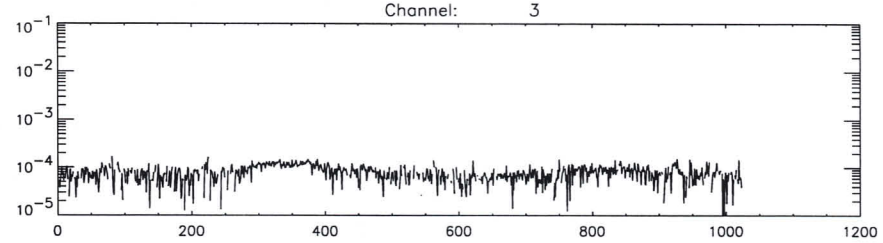
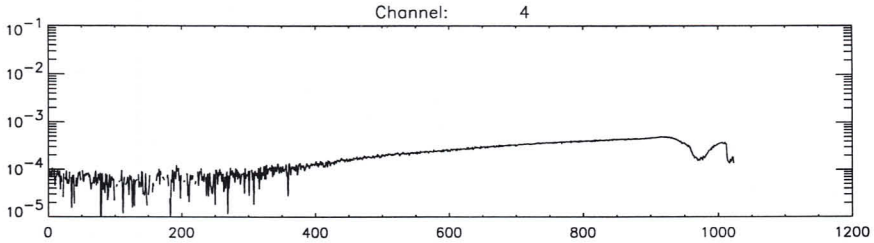
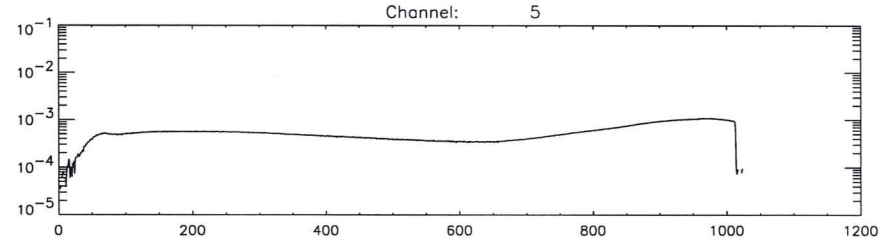
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

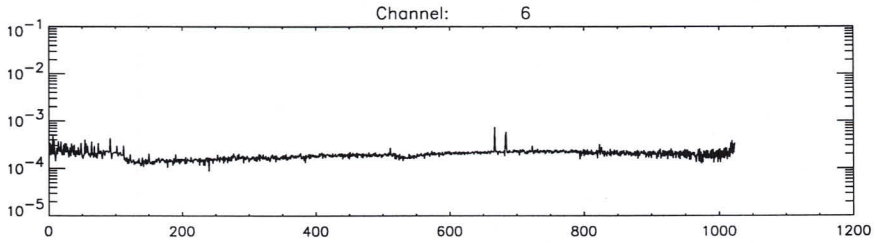

Channel:
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: 2
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: 3
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: 4
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: 5
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: 6
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
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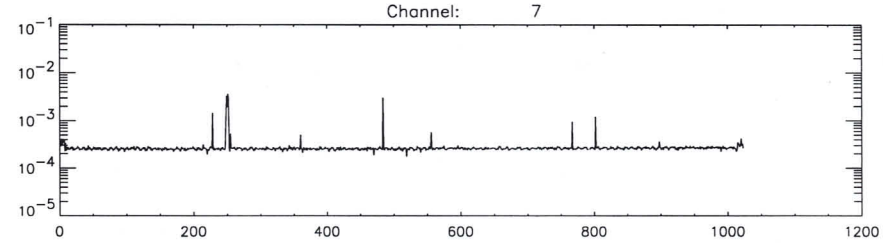
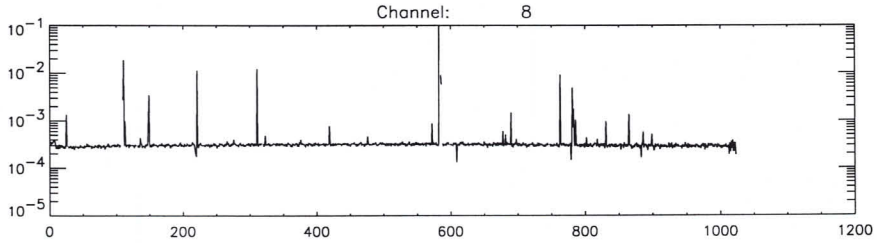
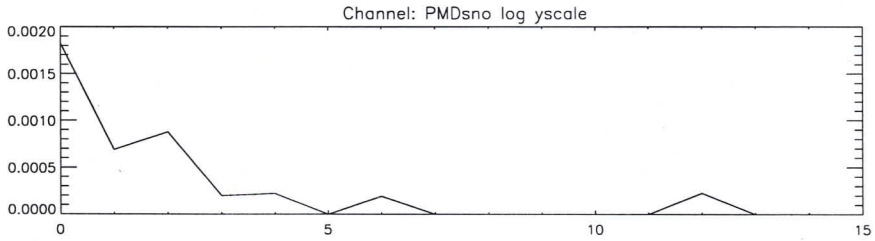
400
600
800
1000
1200


Channel: 7
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: 8
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: PMDsno log yscale
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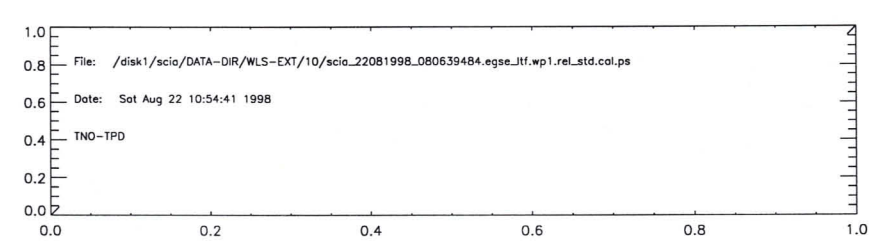
0.0015
0.0010
0.0005
0.0000
0
5
10
15


File: /disk1/scia/DATA-DIR/WLS-EXT/10/scia_22081998_080639484.egse_ltf.wp1.rel_std.cal.ps
Date: Sat Aug 22 10:54:41 1998
TNO-TPD
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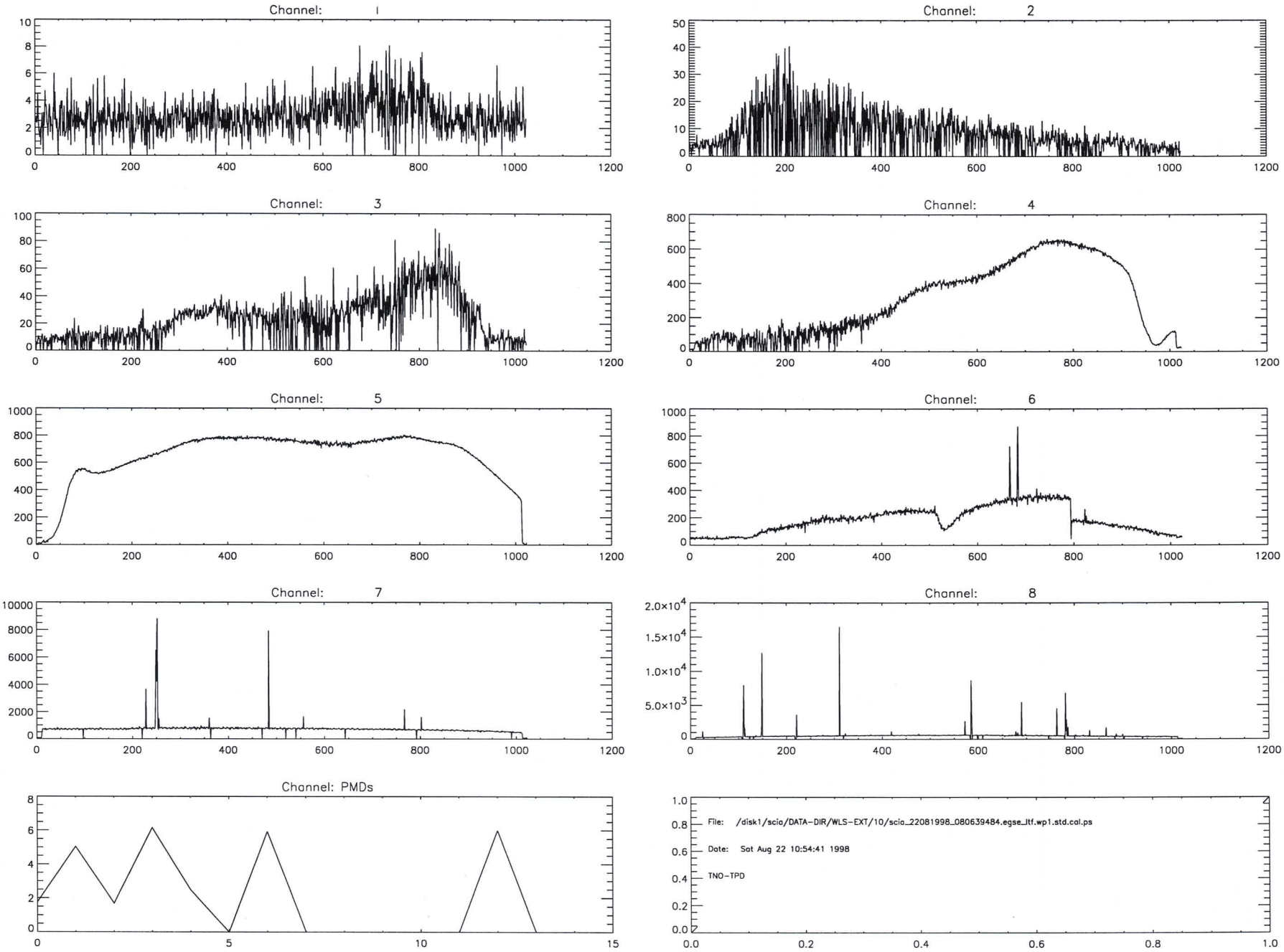
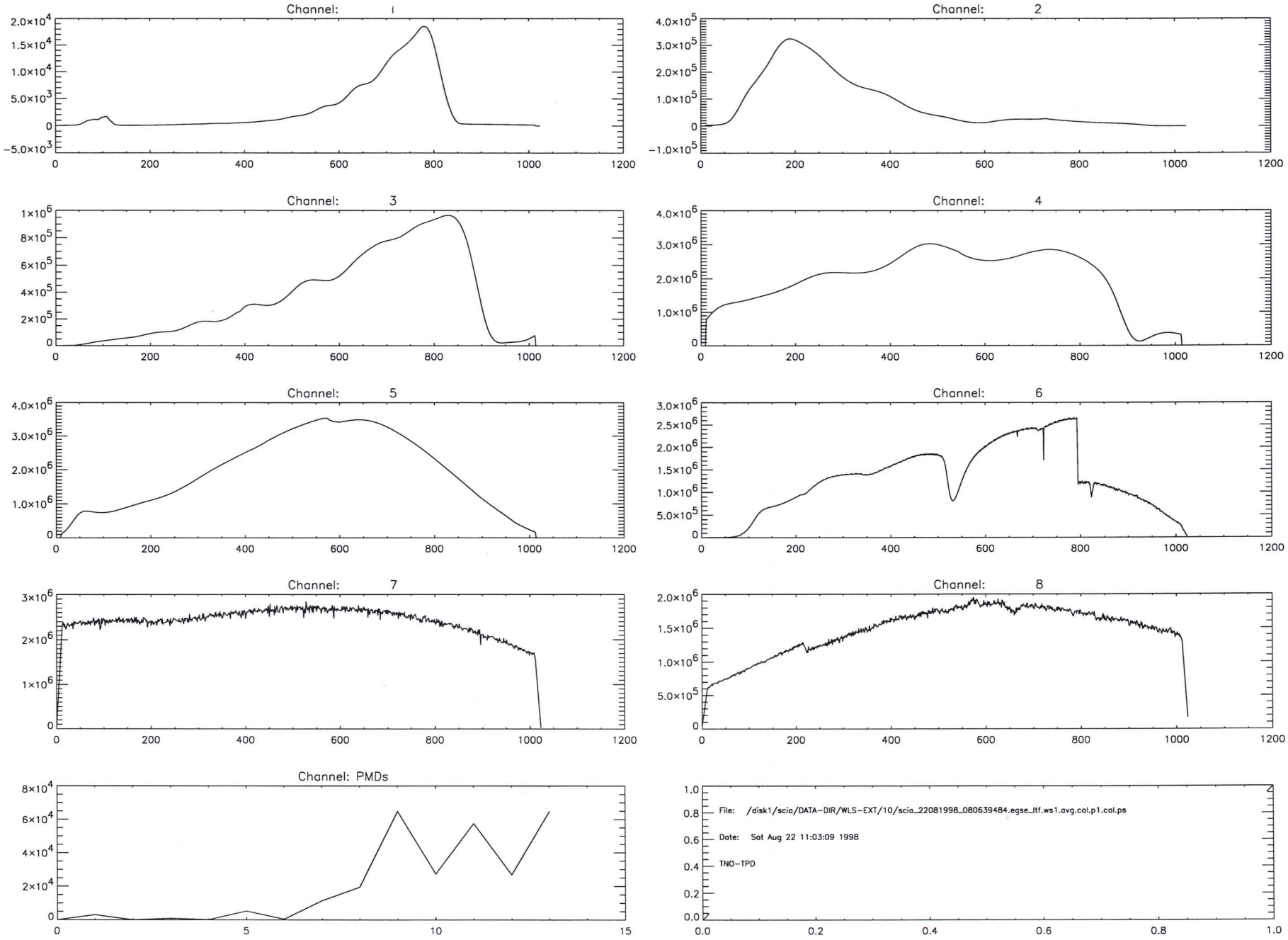
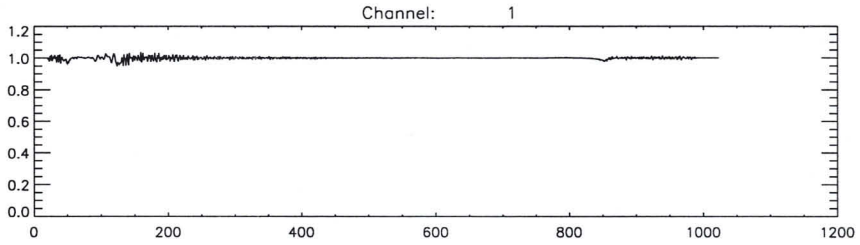
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/WLS-EXT/10/scia_22081998_080639484.egse_itf.wp1.std.cal.ps
Date: Sat Aug 22 10:54:41 1998
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/WLS-EXT/10/scia_22081998_080639484.egse_itf.ws1.avg.cal.p1.cal.ps
Date: Sat Aug 22 11:03:09 1998
TNO-TPD


Channel: 1
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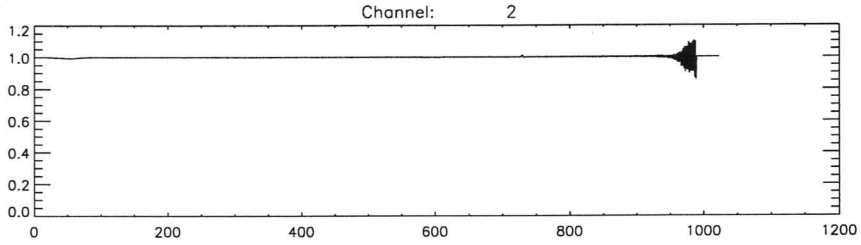
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200


Channel: 2
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1.0
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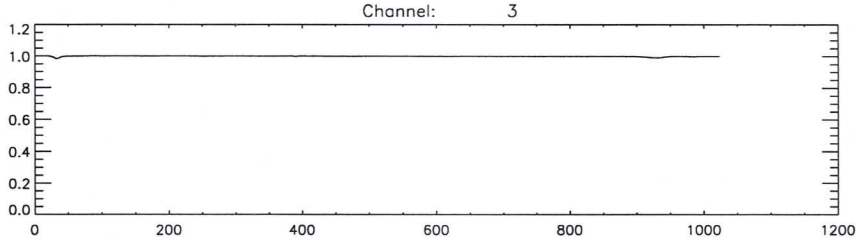
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200


Channel: 3
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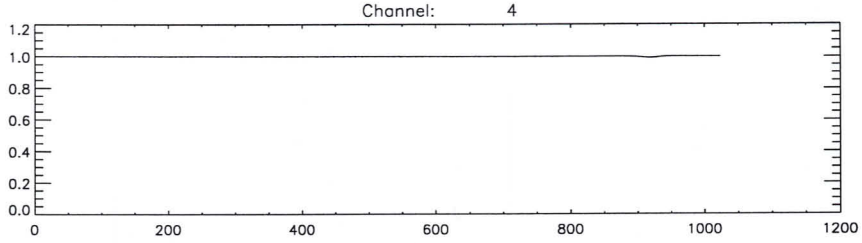
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200


Channel: 4
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0.4
0.2
0.0
0
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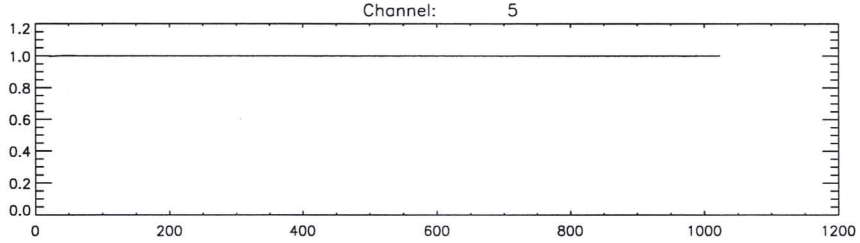
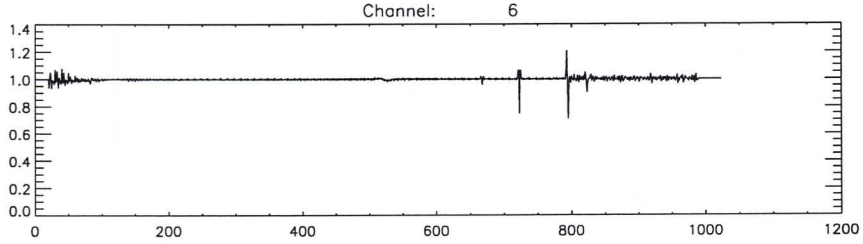
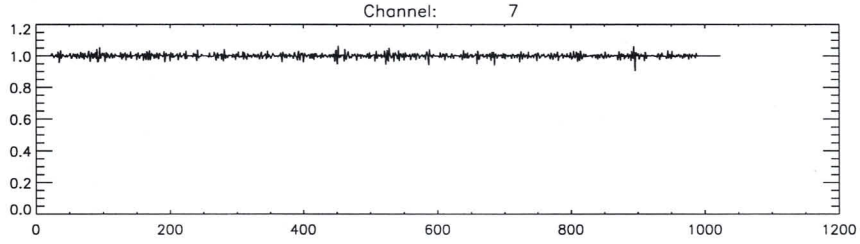
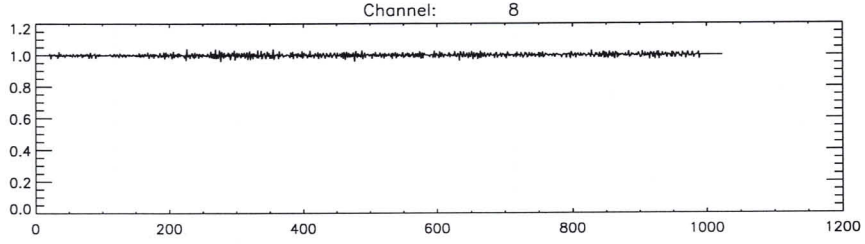
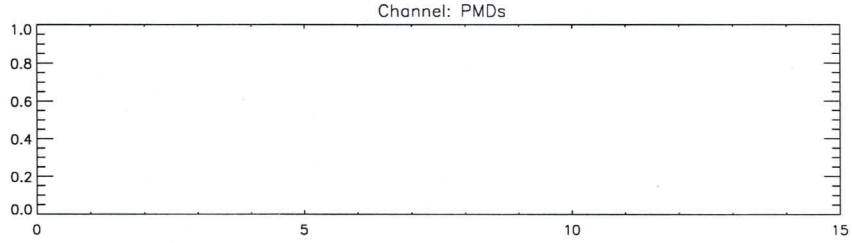
400
600
800
1000
1200

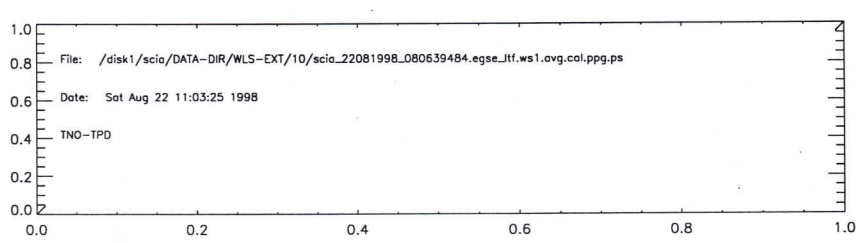

Channel: 5
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

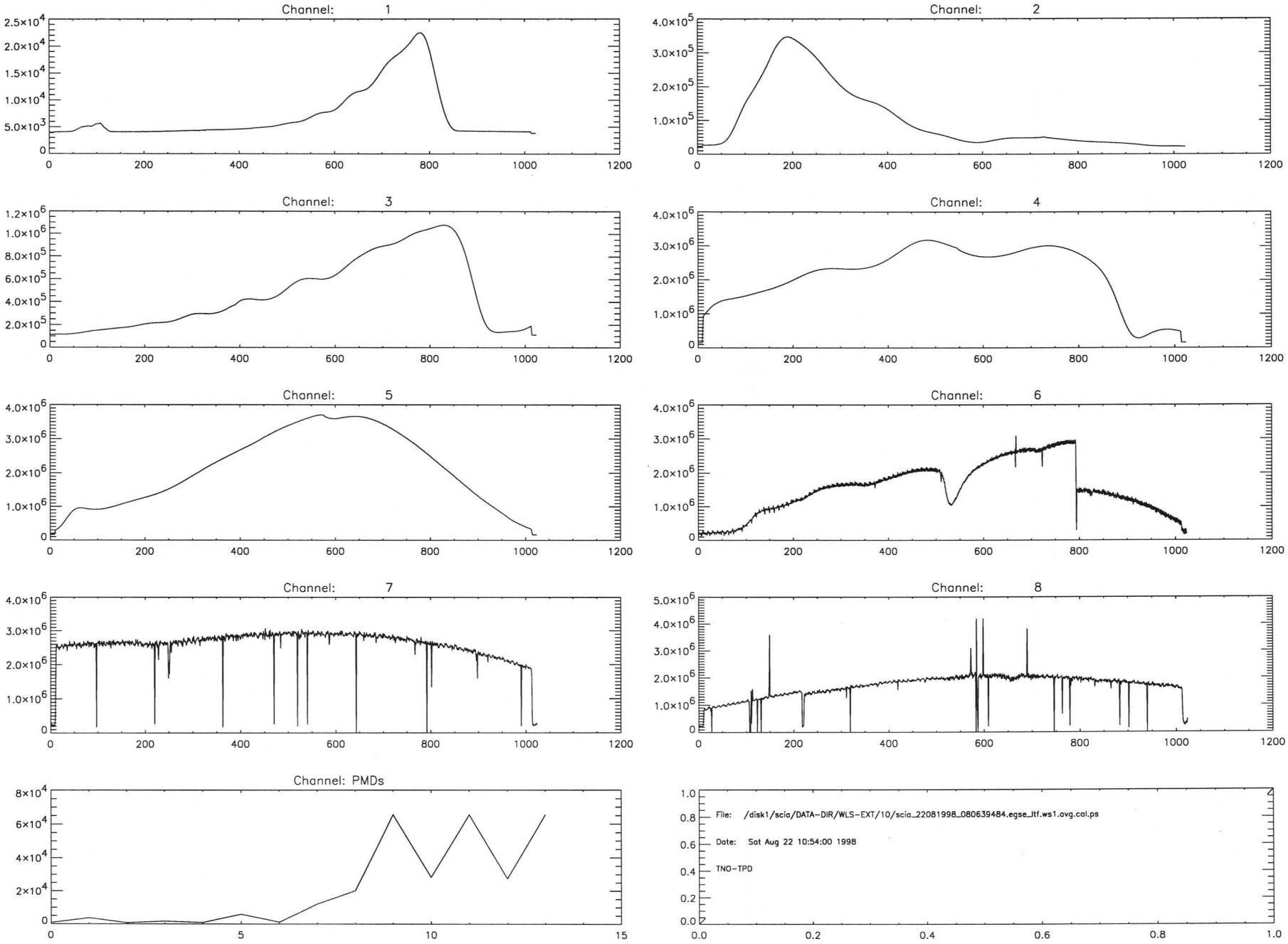

Channel: 6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

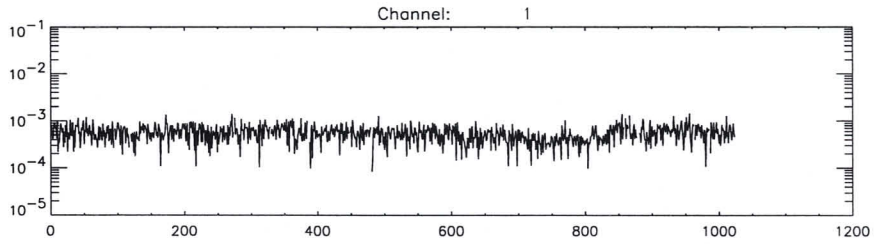

Channel: 7
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

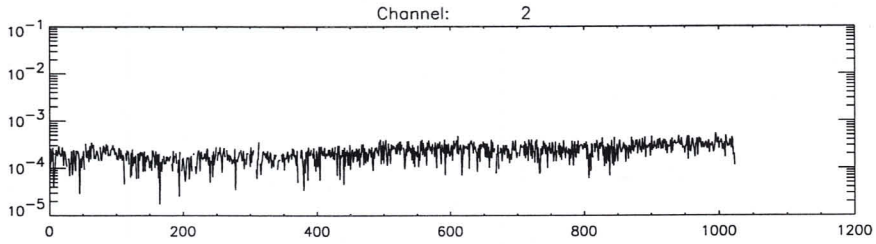

Channel: 8
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

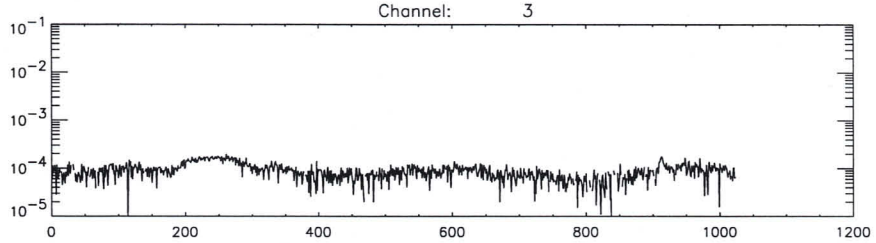

Channel: PMDs
1.0
0.8
0.6
0.4
0.2
0.0
0
5
10
15

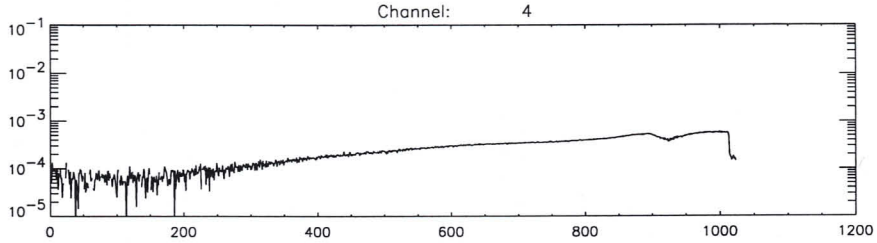

File: /disk1/scia/DATA-DIR/WLS-EXT/10/scia_22081998_080639484.egse_itf.ws1.avg.cal.ppg.ps
Date: Sat Aug 22 11:03:25 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

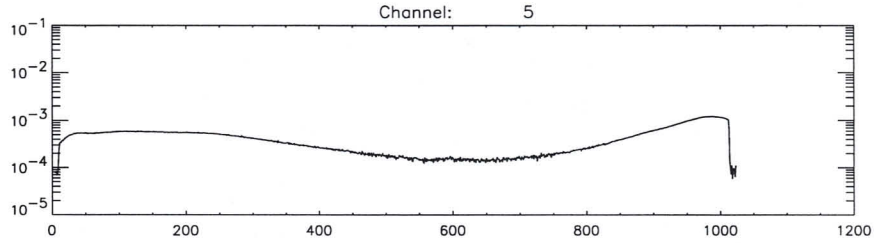

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/WLS-EXT/10/scia_22081998_080639484.egse_ltf.ws1.avg.cal.ps
Date: Sat Aug 22 10:54:00 1998
TNO-TPD

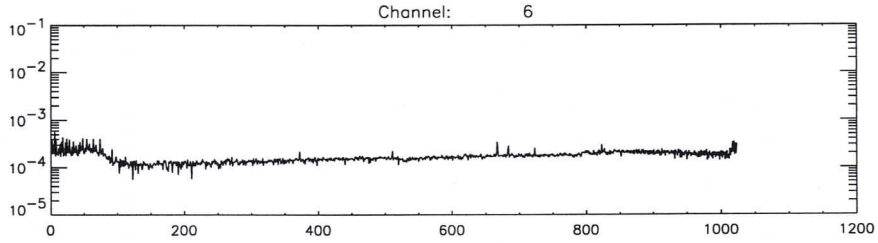

Channel: 1

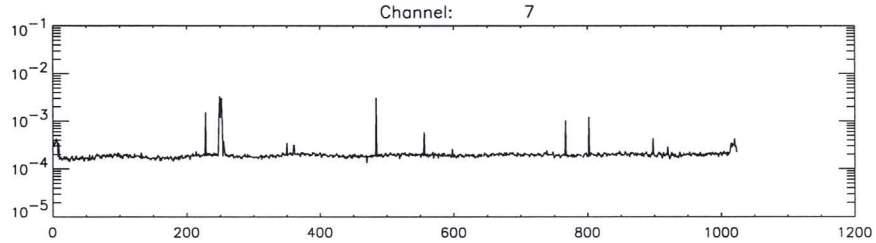

Channel: 2

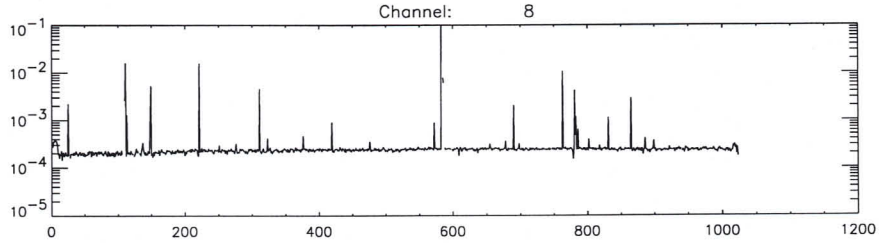

Channel: 3

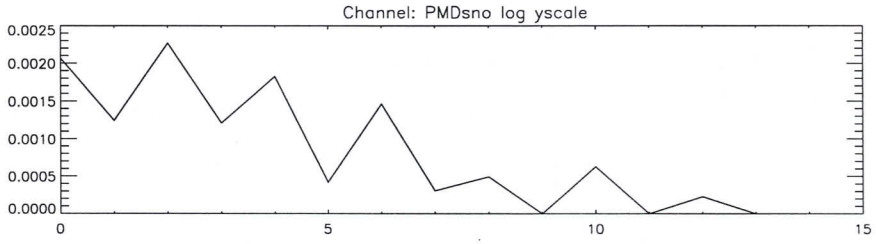

Channel: 4

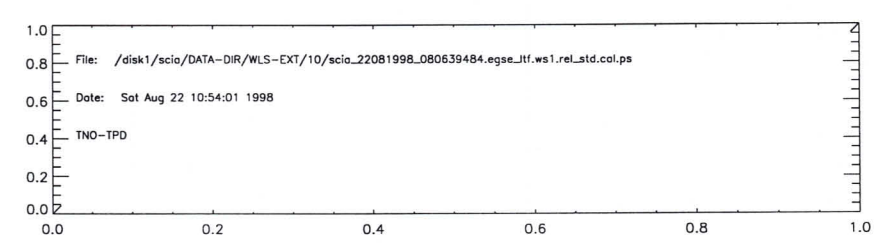

Channel: 5

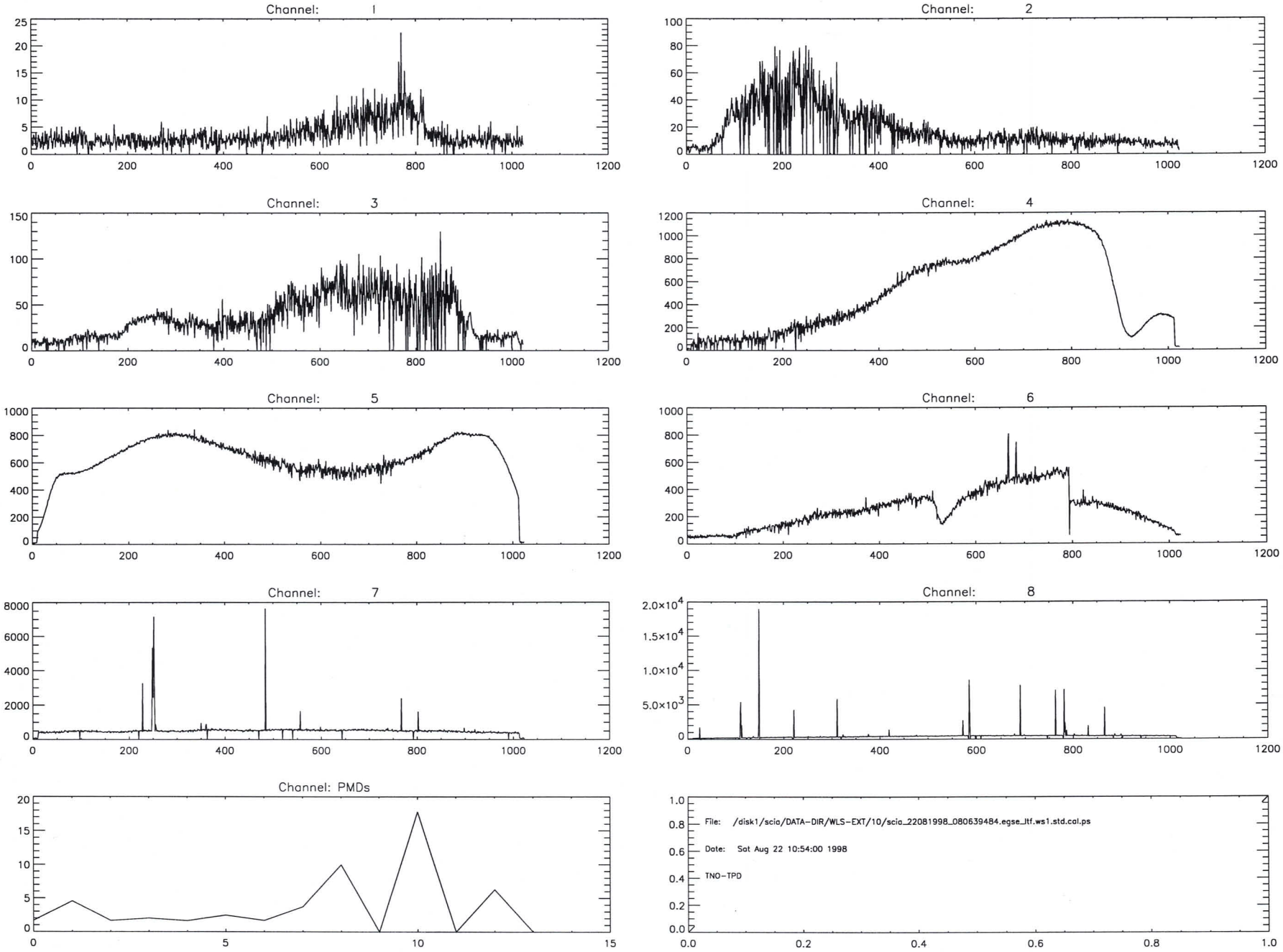

Channel: 6


Channel: 7


Channel: 8


Channel: PMDsno log yscale


File: /disk1/scia/DATA-DIR/WLS-EXT/10/scia_22081998_080639484.egse_itf.ws1.rel_std.cal.ps
Date: Sat Aug 22 10:54:01 1998
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/WLS-EXT/10/scia_22081998_080639484.egse_itf.ws1.std.cal.ps
Date: Sat Aug 22 10:54:00 1998
TNO-TPD

#####
#####
#####
#####
#####
User: scia6!scia
#####
Title: scia_22081998_080639484.egse_ltf.wp1.avg.cal.ppg.cal.log
#####
scia6
#####
Printed: Sat 11:07 Aug 22, 1998
#####
Job number: hp6mp-495
#####
#####
#####
#####
#####

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/WLS-EXT/10/scia_22081998_080639484.egse_ltf.du1.avg.cal
 and

/disk1/scia/DATA-DIR/WLS-EXT/10/scia_22081998_080639484.egse_ltf.wp1.avg.cal
Action: Computation of Pixel to pixel gain
Processing time: Sat Aug 22 11:01:35 1998
Output file name:
/disk1/scia/DATA-DIR/WLS-EXT/10/scia_22081998_080639484.egse_ltf.wp1.avg.cal.p

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/WLS-EXT/10/scia_22081998_080639484.egse_ltf.du1.avg.cal
 and

/disk1/scia/DATA-DIR/WLS-EXT/10/scia_22081998_080639484.egse_ltf.ws1.avg.cal
Action: Computation of Pixel to pixel gain
Processing time: Sat Aug 22 11:03:25 1998
Output file name:
/disk1/scia/DATA-DIR/WLS-EXT/10/scia_22081998_080639484.egse_ltf.ws1.avg.cal.p

Etalon -External

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	BZW+MK _____	
	What's the name of the (main) data input files generated by the EGSE? (*.dat)	scia-220819qs_080639484484.dat _____	(A)
	Setup a three-window configuration on your SUN.		See course descr.
Cnstr directory	cd ~/DATA-DIR/WLS ; ls -l highest number in directory?	-EXT 9	Note: In window DATA-DIR (B)
	New directory: mkdir <B+1> ls -l What's now the highest number in directory? <C> should be <B> + 1 directory name is:	10 Y / N EXT ~/DATA-DIR/WLS/<C>	(Do this only when you haven't already a directory with the source file for PPG purposes.) (C) (DIR-NAME)
Copy data	See Analysis sheet: Transfer Data File	Y / N	In DATA-DIR window
Cnstr correction directory	ls -l ~/DATA-DIR/CORR If there isn't a subdirectory corresponding to the current date, then construct a CORRECTION directory (see: analysis sheet Construct CORR directory). What is the valueof the correction subdirectory corresponding to the current date. When running the ETALON analysis, you will be asked to select this direcotory when storing the resulting ETALON correction file.	_____	In DATA-DIR Window

Cnstr EGSE_LTF	`cal_raw2ltf .` (Error messages are not necessarily fatal; check with SOLAN --in solan window-- whether output file is okay: there should be a signal present, and `dremark1` labels should be filled) `ls -l *.egse_ltf`		Note: In window DATA-DIR; your current directory should be ~/DATA-DIR/WLS/<C>; don't forget the dot !!! May take more than 15 mins.
	What's the name of the egse_ltf file	scia_22081998_08063y48Q4.egse_ltf	(D)
	`<D> should be <A>.egse_ltf` (Y) / N		
Cnstr CAL files	`idl run_averscia` (and select file <D> when asked)		Note: In window IDL
Check CAL files	Dark files: `ls -l *du*.avg.cal`		In DATA-DIR window
	size:	[signature]	should be approx 150Kb
	White light file: `ls -l *wu*.avg.cal` /wp ws		
	size:	[signature]	should be approx 150Kb
	Note: all files should be present, if not: (a) Check file <D> using SOLAN and check whether DU, WS and WP labels are present in dremark1 labels (b) Check if enough disk space is available (Unix command `df -k | more`).		
Print postscript	Print postscript files: `lpr -P<printer> *.ps` Contents dark file `*du*.avg.cal.ps` should be approx. constant within channels: Y / N		
	Contents of file `*uw*.avg.cal.ps` (wu ws) should resemble white light source: Y / N		

	Contents of `*rel_std*.ps` files should be smaller than 0.01 (pixel 300 -- 800) for all channels. If not, value is:	Y / N _____
	Add postscript images to logbook, done	Y / N
Print logfiles	`lpr -P<printer> *.log`	
	Add logfiles to logbook, done	Y / N

ETALON processing

Run ETALON	`idl ~~do_etalon~~` (*) do_ext etalon only for WP		In IDL window
Check ETALON	`ls -l <DIR-NAME>/*`		In DATA-DIR window should be approx 150Kb
	Size of file `*.du*.avg.cal.etalon.cal`	_____	
Check ETALON visually	`lpr -P<printer> *.du*.avg.cal.etalon.cal.ps` (WP)		
	Value of ETALON should show only a small variation around 1.0 (like noise).	Y / N	
	Add postscript images to logbook, done	Y / N	
Print logfiles	`lpr -P<printer> *.du*.avg.cal.etalon.cal.log`		
	Add logfiles to logbook, done	Y / N	

(*) When asked a file containing reference WLS spectrum (START-OF-CAL) select the right subdirectory (precies1, kan ook niet anders, reference file is eigen file.

EXTERN_START_OF_CAL_WARM of EXTERN_START_OF_CAL_COLD. (depending on detector temp.

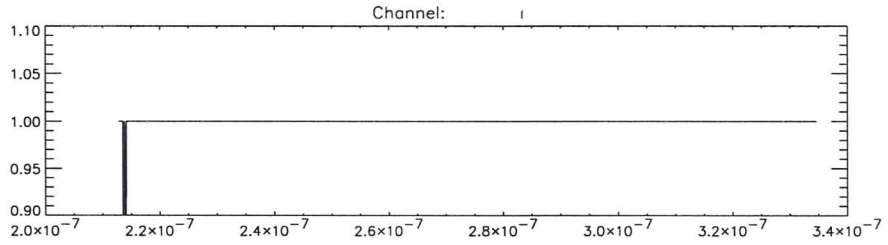
If using an external loop use: EXTERN_START_OF_CAL_COLD OR EXTERN_START_OF_CAL_WARM

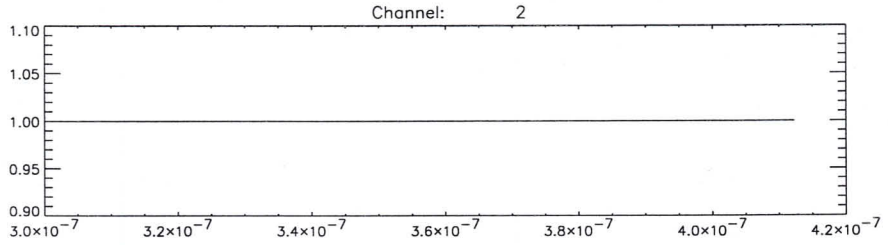
Back up	Create 3 sets of backup CDs of directory <DIR-NAME> (One CD has a capacity of 600 Mbytes, the UNIX command `/usr/bin/du -k .` gives the number of kilo bytes in the current directory). Name of backup CDs	22odgdD	See analysis sheet BackUp

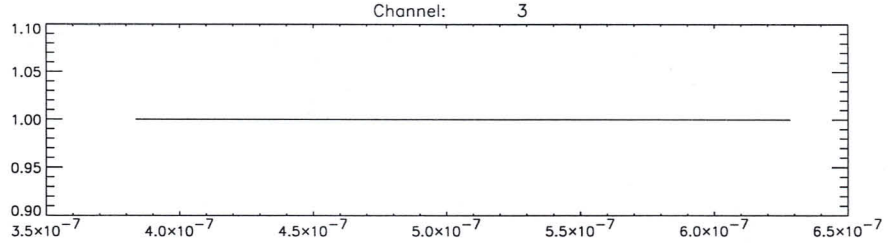
Sign: Name _____ MKuij.

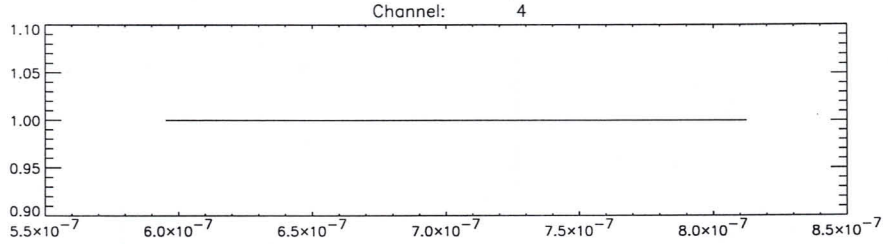
Date and time _____

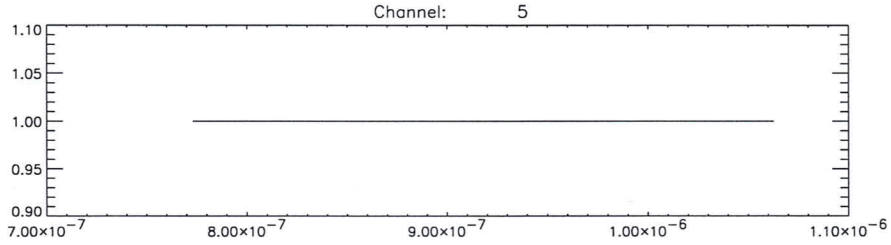
Signature _____

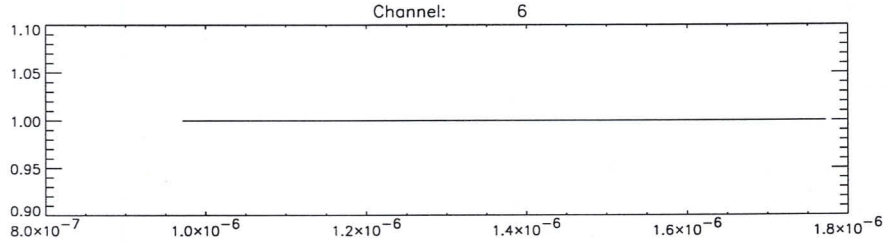

Channel: 1
1.10
1.05
1.00
0.95
0.90
2.0×10⁻⁷
2.2×10⁻⁷
2.4×10⁻⁷
2.6×10⁻⁷
2.8×10⁻⁷
3.0×10⁻⁷
3.2×10⁻⁷
3.4×10⁻⁷

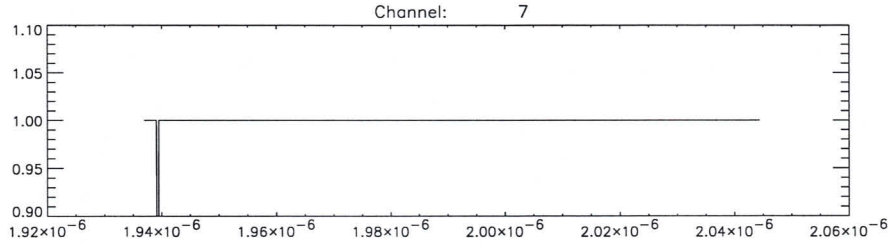

Channel: 2
1.10
1.05
1.00
0.95
0.90
3.0×10⁻⁷
3.2×10⁻⁷
3.4×10⁻⁷
3.6×10⁻⁷
3.8×10⁻⁷
4.0×10⁻⁷
4.2×10⁻⁷

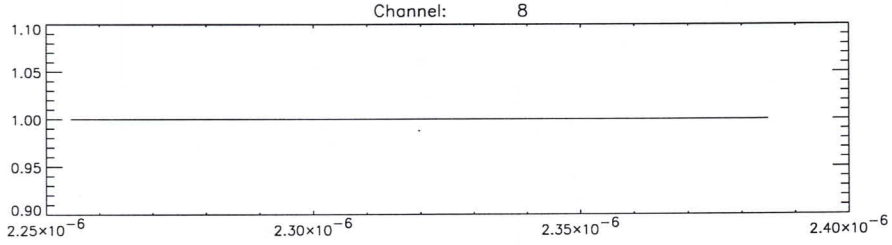

Channel: 3
1.10
1.05
1.00
0.95
0.90
3.5×10⁻⁷
4.0×10⁻⁷
4.5×10⁻⁷
5.0×10⁻⁷
5.5×10⁻⁷
6.0×10⁻⁷
6.5×10⁻⁷

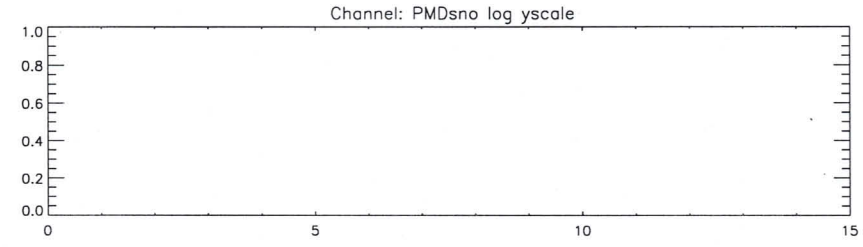

Channel: 4
1.10
1.05
1.00
0.95
0.90
5.5×10⁻⁷
6.0×10⁻⁷
6.5×10⁻⁷
7.0×10⁻⁷
7.5×10⁻⁷
8.0×10⁻⁷
8.5×10⁻⁷

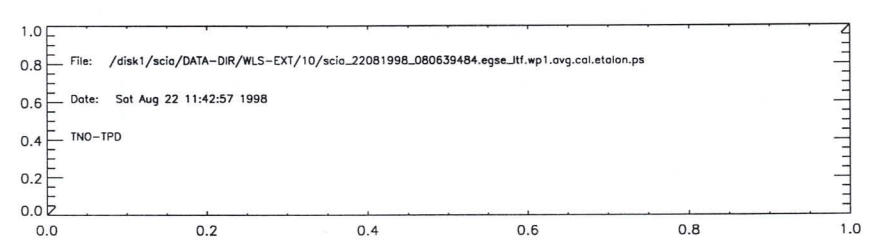

Channel: 5
1.10
1.05
1.00
0.95
0.90
7.00×10⁻⁷
8.00×10⁻⁷
9.00×10⁻⁷
1.00×10⁻⁶
1.10×10⁻⁶


Channel: 6
1.10
1.05
1.00
0.95
0.90
8.0×10⁻⁷
1.0×10⁻⁶
1.2×10⁻⁶
1.4×10⁻⁶
1.6×10⁻⁶
1.8×10⁻⁶


Channel: 7
1.10
1.05
1.00
0.95
0.90
1.92×10⁻⁶
1.94×10⁻⁶
1.96×10⁻⁶
1.98×10⁻⁶
2.00×10⁻⁶
2.02×10⁻⁶
2.04×10⁻⁶
2.06×10⁻⁶


Channel: 8
1.10
1.05
1.00
0.95
0.90
2.25×10⁻⁶
2.30×10⁻⁶
2.35×10⁻⁶
2.40×10⁻⁶


Channel: PMDsno log yscale
1.0
0.8
0.6
0.4
0.2
0.0
0
5
10
15


1.0
0.8
0.6
0.4
0.2
0.0
File: /disk1/scia/DATA-DIR/WLS-EXT/10/scia_22081998_080639484.egse_ltf.wp1.avg.cal.etalon.ps
Date: Sat Aug 22 11:42:57 1998
TNO-TPD
0.0
0.2
0.4
0.6
0.8
1.0

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/WLS-EXT/10/scia_22081998_080639484.egse_ltf.du1.avg.cal
 and

/disk1/scia/DATA-DIR/WLS-EXT/10/scia_22081998_080639484.egse_ltf.wp1.avg.cal
Action: Extraction of etalon structure
Processing time: Sat Aug 22 11:42:56 1998
Output file name:
/disk1/scia/DATA-DIR/WLS-EXT/10/scia_22081998_080639484.egse_ltf.wp1.avg.cal.e

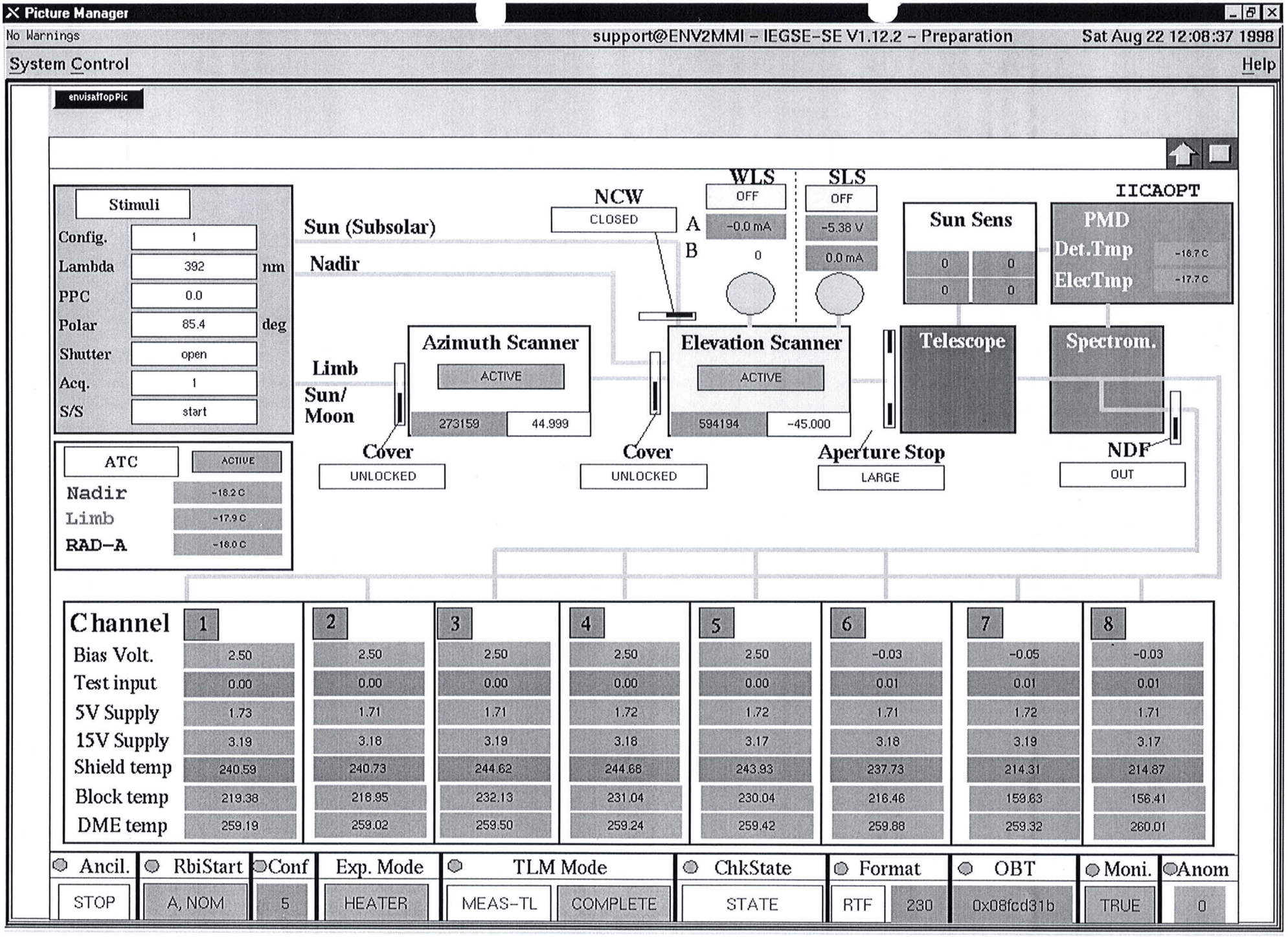
Version: 0.1
Input files:

/disk1/scia/DATA-DIR/WLS-EXT/10/scia_22081998_080639484.egse_ltf.du1.avg.cal
 and

/disk1/scia/DATA-DIR/WLS-EXT/10/scia_22081998_080639484.egse_ltf.wp1.avg.cal
Action: Extraction of etalon structure: postscript file
Processing time: Sat Aug 22 11:42:57 1998
Output file name:
/disk1/scia/DATA-DIR/WLS-EXT/10/scia_22081998_080639484.egse_ltf.wp1.avg.cal.e

LOG SHEET SCHIAMACHY CALIBRATION

Date/Time	Description of action	Measurement directory
~~17 00u~~ 11 00u UTC	Opstelling omgebouwd van WLS → mono voor UV UID 10 + 11 (Xsi 1 + 2) komen hierevoor in aan meting LAAT DE LICHTEN IN DE HAL UIT! Afdekken van Xe lamp kan niet maar er kan wel licht in dus Eerst korte test dus Xsi - II UID 11 LETOP! nieuwe lyst PET's en COADD voor Xsii Rep. factor = 1 (dus niet het aantal λ stappen) gem one! = Als alles goed gaat ~~dan~~ Xsi - II en Xsi - I dan wellicht gem one 5 voor Xsi - I en bekijk of dit uitmaakt.. ?	


Picture Manager
No Warnings
support@ENV2MMI – IEGSE-SE V1.12.2 – Preparation
Sat Aug 22 12:08:37 1998
System Control
Help
envisatTopPic
Stimuli
Config. 1
Lambda 392 nm
PPC 0.0
Polar 85.4 deg
Shutter open
Acq. 1
S/S start
ATC ACTIVE
Nadir -18.2 C
Limb -17.9 C
RAD-A -18.0 C
Sun (Subsolar)
Nadir
Limb
Sun/ Moon
NCW
CLOSED
WLS
OFF
A -0.0 mA
B 0
SLS
OFF
-5.38 V
0.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -18.7 C
ElecTmp -17.7 C
Azimuth Scanner
ACTIVE
273159 44.999
Elevation Scanner
ACTIVE
594194 -45.000
Telescope
Spectrom.
Cover
UNLOCKED
Cover
UNLOCKED
Aperture Stop
LARGE
NDF
OUT
Channel 1 2 3 4 5 6 7 8
Bias Volt. 2.50 2.50 2.50 2.50 2.50 -0.03 -0.05 -0.03
Test input 0.00 0.00 0.00 0.00 0.00 0.01 0.01 0.01
5V Supply 1.73 1.71 1.71 1.72 1.72 1.71 1.72 1.71
15V Supply 3.19 3.18 3.19 3.18 3.17 3.18 3.19 3.17
Shield temp 240.59 240.73 244.62 244.68 243.93 237.73 214.31 214.87
Block temp 219.38 218.95 232.13 231.04 230.04 216.46 159.63 156.41
DME temp 259.19 259.02 259.50 259.24 259.42 259.88 259.32 260.01
Ancil. STOP
RbiStart A, NOM
Conf 5
Exp. Mode HEATER
TLM Mode MEAS-TL COMPLETE
ChkState STATE
Format RTF 230
OBT 0x08fcd31b
Moni. TRUE
Anom 0

LOG SHEET SCHIAMACHY CALIBRATION

Date/Time	Description of action	Measurement directory
	Vanwege ontsteken Xe-lamp en wisselen Mono moest OSPC uit? → netjes uitgezet + aan Nu formal request voor Xsi-II ingediend → OSPC antw niet als verwacht. Overleg Stepha met Peter. Probleem opgelost → X_{Si-II} gestart. Bleek dat na aanzetten OSPC de setting moet nogeens hard (manual) verzet worden. daarna weer op remote file.	

Formal Run of Measurement

(Measurement ID) XI_2

Request for Actual Status	X	(cross out entries that are **not** requested.)
Request for Modification		(fill in only entries to be modified)
Request for Run	X	(no entries = run based on actual default settings)

Scanner Positions

Azimuth	+45.00	deg
Elevation	-45.00	deg

Timeline for each Data Acquisition Period during Measurement

	1	2	3	4	5	6	7	8	9	10
State ID	18									
Repetitions →	1									

State Parameters for States used in Timeline (State ID must be given)

Channel	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding
1a	64	1						
1b	64	1						
2b	64	1						
2a	64	1						
3	0.5	64						
4	64	1						
5	64	1						
6	16	4						
7	2	32						
8	2	32						
State ID								

step 14.01
UID 11
XSi-UV-II
change

Stimuli Settings for Existing Blocks in Measurement

Block No	Stimuli Setup ID	PPC [deg]	Polarizer [deg]	Shutter open/close	Acquisition Time [s]	Lambda [nm] Start	Stop	Step	Repetition Factor	Message	OS Setup Time [s]
1	1	0.0	85.4	close	1	390	390	0	1	DX1	50
2	1	0.0	85.4	open	1	390	390	0	1	MPN	8
3	1	0.0	85.4	open	1	392	460	2	1	MPN	3
4	1	0.0	85.4	close	1	460	460	0	1	DX2	8

Measurement Data Description

Test Purpose	
Remark	UID 11
Data Directory	0234_11.58.30_XI_2

Signatures

	Date	Signature
Issued		
< Performed	22.8.98	

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	Gerard Otter 22-08-1998	
	What's the name of the (main) data input files that you want to store on the SUN named `scia6`?	scia_22081998_120319110 (A)	
	Setup a three-window configuration on your SUN.		See course descr.
Do Transfer	Be sure that you are in the directory you want your files in ftp <internet-address>, where you can find the address of the PC in the file `/etc/hosts` (entry: cdwpc). The address will also be next to you on paper (most probably). When asked for user, fill in: `anonymous`, when asked for an email address, fill in your email address on TPD. Set in binary: `binary` `mget *` (and return `y` to every file). `bye`		In DATA-DIR window In DATA window Approx. 140 kB

Sign:

Name	Gerard Otter
Date and time	22-08-1998 13:25 UTC
Signature	

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	Gerard Otter 22-08-1998	
	What's the name of the (main) data input files generated by the EGSE? `(*.dat)`	scia_22081998_120319110.	(A)
	Setup a three-window configuration on your SUN.		see course descr.

Cnstr directory	`cd ~/DATA-DIR/XSI-UV-II/ ; ls -l`
	highest number in directory?
	New directory: `mkdir <B+1>`
	`ls -l`
	What's now the highest number in directory?
	<C> should be <B> + 1
		2
		
		3
		Y / N
			Note: In window DATA-DIR
			(B)
			(C)

	directory name is:	~/DATA-DIR/XSI-UV-II/<C>	(DIR-NAME)
Copy data	See Analysis sheet: Transfer Data File	Y / N	In DATA-DIR window
Cnstr EGSE_LTF	`cal_raw2ltf .` (Error messages are not necessarily fatal; check with SOLAN --in solan window-- whether output file is okay: there should be a signal present, and `dremark1` labels should be filled) `ls -l *.egse_ltf` What's the name of the egse_ltf file <D> should be <A>.egse_ltf	scia_22081998_120319110 Y / N	Note: In window DATA-DIR; ***don't forget the dot !!!;*** *May take more than 15 mins.* (D)
Cnstr CAL files	`idl run_fastaverscia` (and select file <D> when asked)		Note: In window IDL
Check CAL files	Dark files: `ls -l *du*.cal`		In DATA-DIR Window
	size:	146k	should be approx 150Kb

Monochromator ouput:
`ls -l *mp<lambda>*.avg.cal`
(where lambda is a wavelength indicator)

should be approx 150Kb

size: 146 k
lambda ranges from: 390 ~~-400~~
to: 460
Note: all files should be present, if not:
(a) Check file <D> using SOLAN and check whether `dremark1` labels are present.
(b) Check if enough disk space is available (Unix command `df -k | more`).

Print postscript

Pick a `*.mp<lambda>.avg.cal` file.
`lpr -P<printer> *.avg.cal.ps`
Contents dark file `*du.avg.cal.ps` should be approx. constant within channels: (Y) / N
Contents of a file `*mp<lambda>.avg.cal.ps` should contain a peak signal in corresponding channel (cannot be seen in channels 7 and 8): (Y) / N
Contents of `*mp<lambda>.rel_std.cal.ps` files should be smaller than 0.01 (pixel 300 -- 800) for all channels: ~~Y / N~~ ~~N~~ NA (no repetitions)
If not, value is:

Add postscript images to logbook, done (Y) / N

Print logfiles

`lpr -P<printer> *.log`
Add logfiles to logbook, done (Y) / N

Xsi processing

Control file

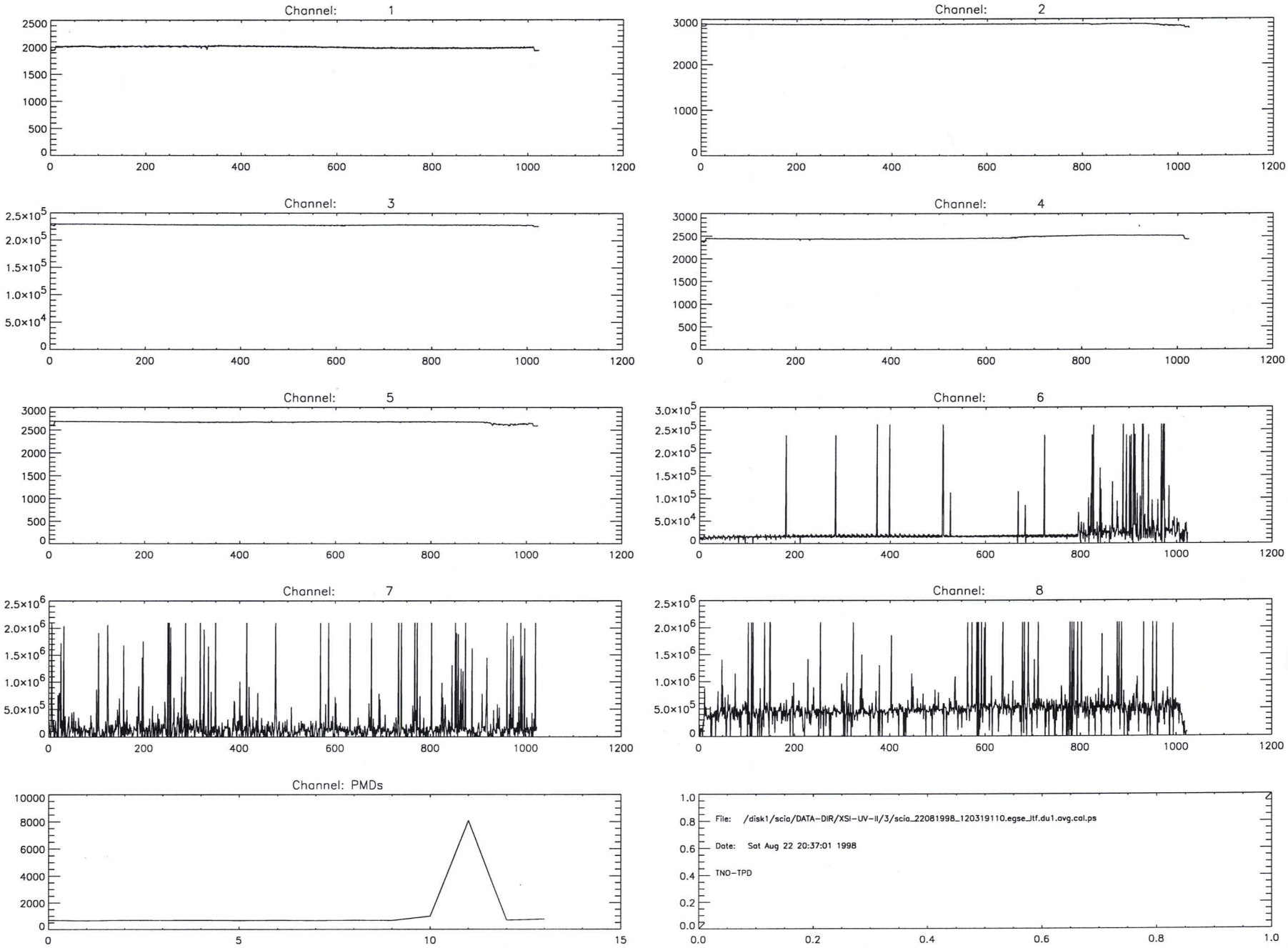
Construct `control-file` in dir. <DIR-NAME> where each line is of the form `<l1> <l2> <darkname>` (meaning that file `<darkname>` is to be used as dark measurement for monochromator outputs with wavelength `M` such that `<l1> <= M <= <l2>`).
`lpr -P<printer> <DIR-NAME>/control-file`
Add `control-file` to logbook, done (Y) / N

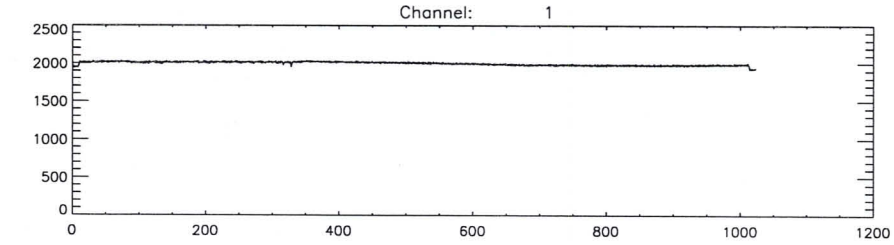
Run XSI	`idl do_xsi`		
Check XSI	`ls -l *.data` Size of file `<D>.du*.cal.data`	15588	In DATA-DIR window
Check XSI visually	`idl do_xsi_processing`		In IDL window
	`lpr -P<printer> *.data.ps` Value of XSI resembles expected XSI (see [Predicted PFMcalibration results])?	(Y) / N	In DATA-DIR window
	Add postscript images to logbook, done	(Y) / N	
Print logfiles	`lpr -P<printer> *.data.log` Add logfiles to logbook, done	(Y) / N	

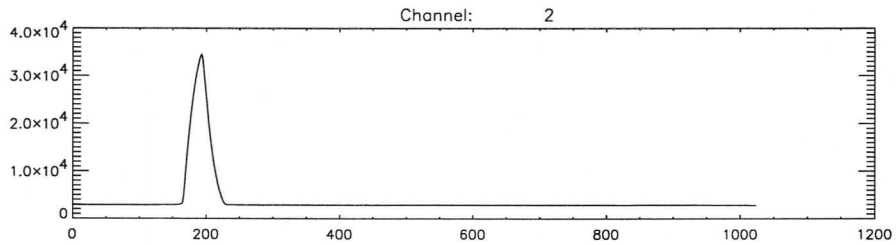
~~do xsi~~ an ~~da xsi~~ processing are done ~~separatly~~ for du1 and du2

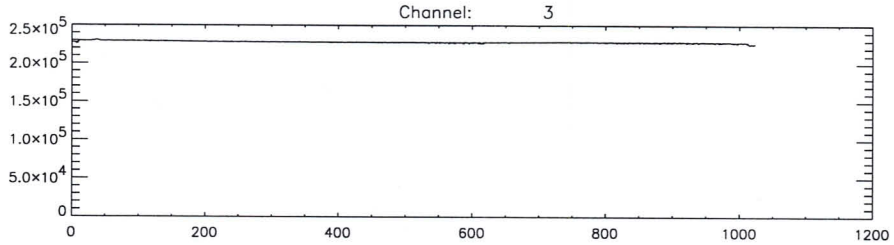
Back up	Create 3 sets of backup CDs of directory <DIR-NAME> (One CD has a capacity of 600 Mbytes, the UNIX command `/usr/bin/du -k .` gives the number of kilo bytes in the current directory). Name of backup CDs	220898 E	See analysis sheet BackUp

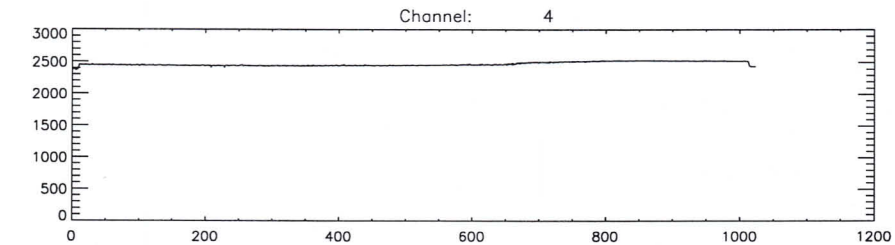
Sign:	Name	Gerard Ont
	Date and time	22-08-1998 7:45 UTC
	Signature	

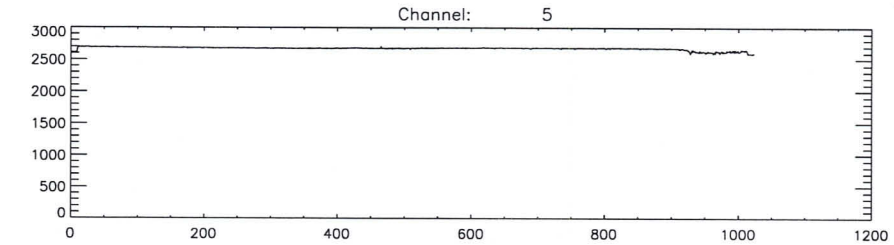

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/XSI-UV-II/3/scia_22081998_120319110.egse_ltf.du1.avg.cal.ps
Date: Sat Aug 22 20:37:01 1998
TNO-TPD

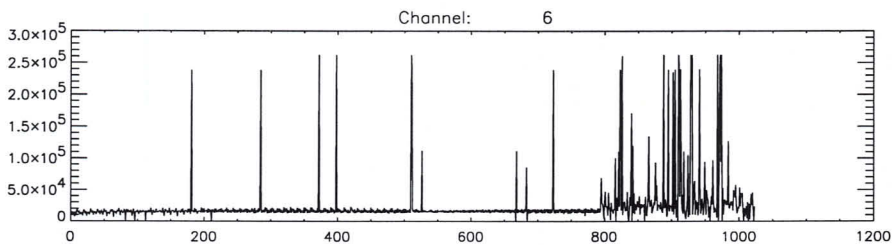

Channel: 1
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200

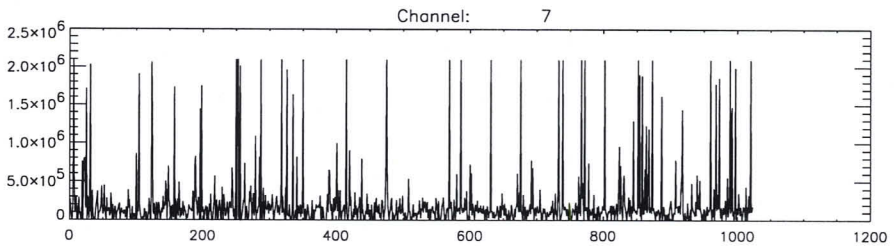

Channel: 2
4.0x10^4
3.0x10^4
2.0x10^4
1.0x10^4
0
0
200
400
600
800
1000
1200

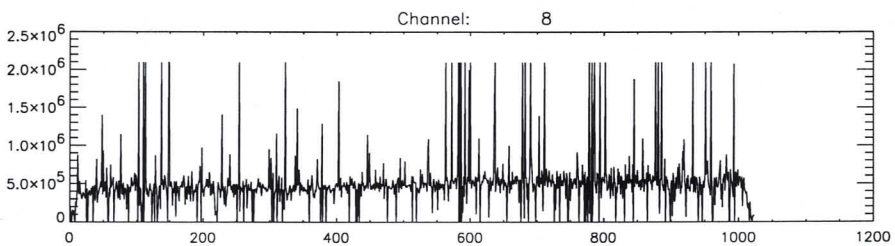

Channel: 3
2.5x10^5
2.0x10^5
1.5x10^5
1.0x10^5
5.0x10^4
0
0
200
400
600
800
1000
1200

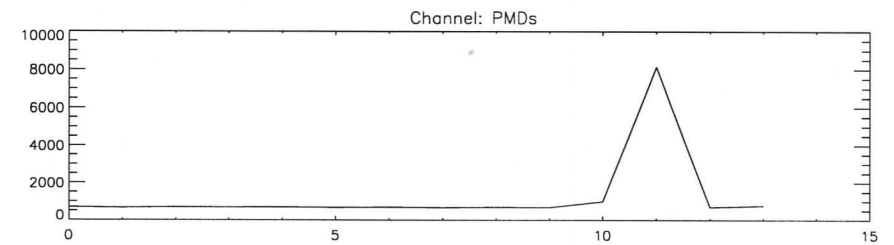

Channel: 4
3000
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200

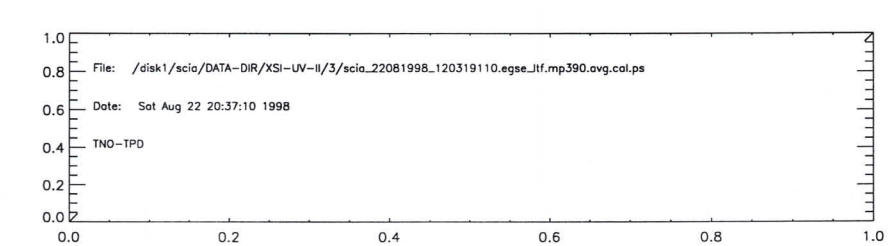

Channel: 5
3000
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200

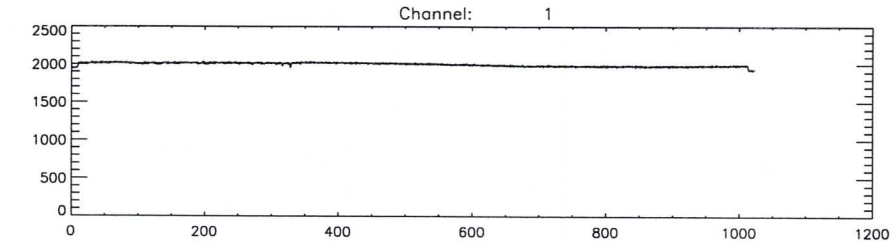

Channel: 6
3.0x10^5
2.5x10^5
2.0x10^5
1.5x10^5
1.0x10^5
5.0x10^4
0
0
200
400
600
800
1000
1200

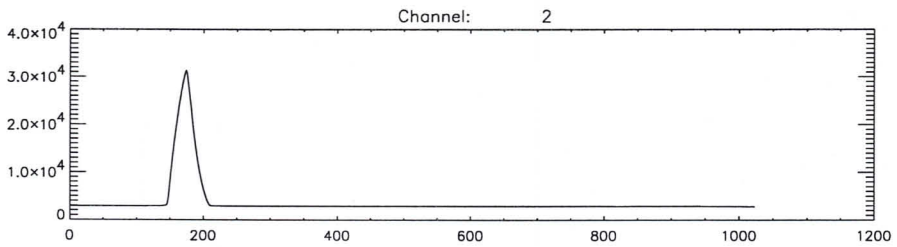

Channel: 7
2.5x10^6
2.0x10^6
1.5x10^6
1.0x10^6
5.0x10^5
0
0
200
400
600
800
1000
1200

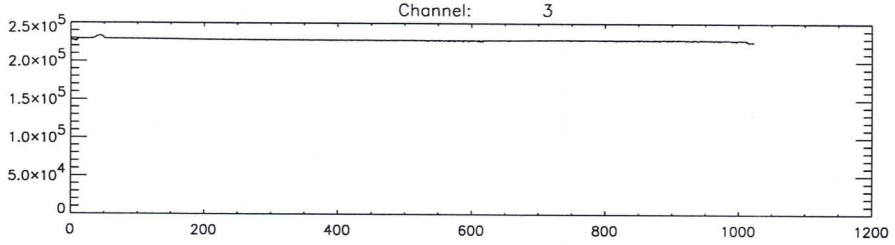

Channel: 8
2.5x10^6
2.0x10^6
1.5x10^6
1.0x10^6
5.0x10^5
0
0
200
400
600
800
1000
1200

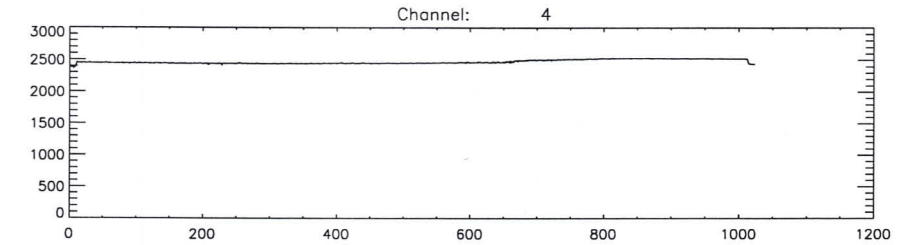

Channel: PMDs
10000
8000
6000
4000
2000
0
0
5
10
15

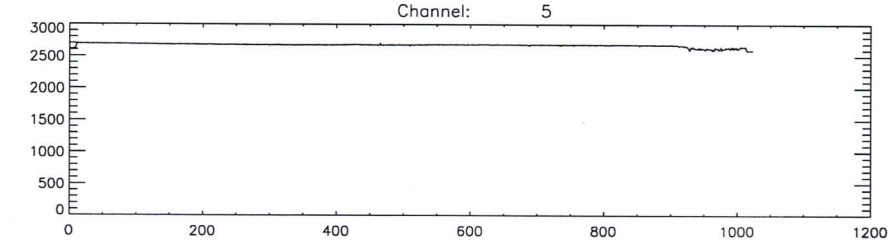

File: /disk1/scia/DATA-DIR/XSI-UV-II/3/scia_22081998_120319110.egse_ltf.mp390.avg.cal.ps
Date: Sat Aug 22 20:37:10 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

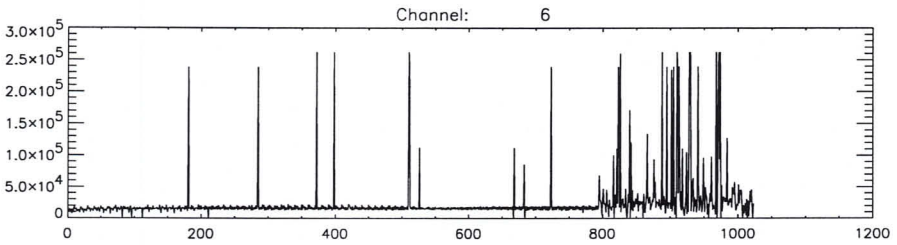

Channel: 1
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200

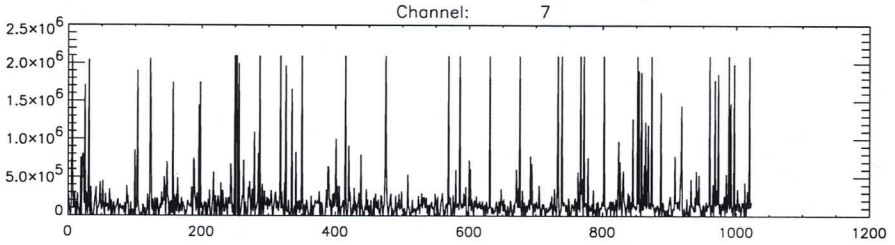

Channel: 2
4.0x10^4
3.0x10^4
2.0x10^4
1.0x10^4
0
0
200
400
600
800
1000
1200

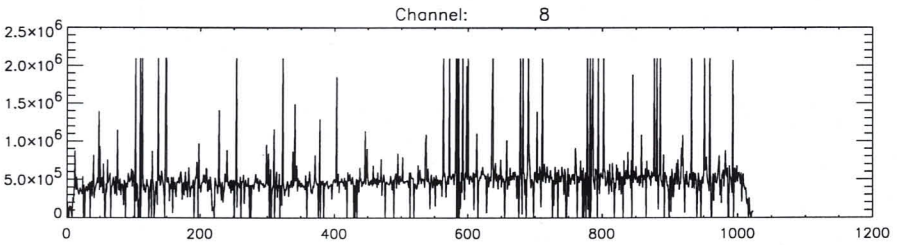

Channel: 3
2.5x10^5
2.0x10^5
1.5x10^5
1.0x10^5
5.0x10^4
0
0
200
400
600
800
1000
1200

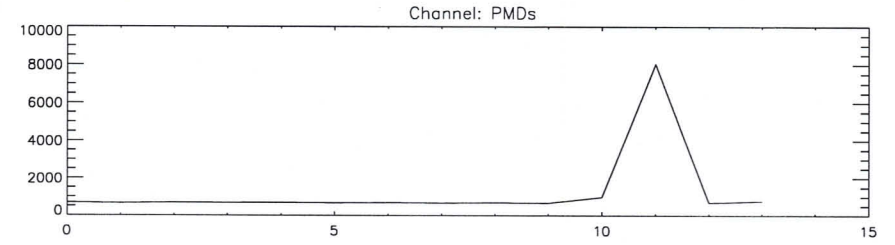

Channel: 4
3000
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200

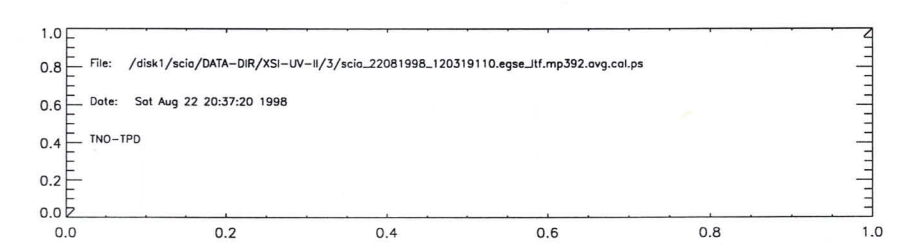

Channel: 5
3000
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200


Channel: 6
3.0x10^5
2.5x10^5
2.0x10^5
1.5x10^5
1.0x10^5
5.0x10^4
0
0
200
400
600
800
1000
1200


Channel: 7
2.5x10^6
2.0x10^6
1.5x10^6
1.0x10^6
5.0x10^5
0
0
200
400
600
800
1000
1200


Channel: 8
2.5x10^6
2.0x10^6
1.5x10^6
1.0x10^6
5.0x10^5
0
0
200
400
600
800
1000
1200


Channel: PMDs
10000
8000
6000
4000
2000
0
0
5
10
15


File: /disk1/scia/DATA-DIR/XSI-UV-II/3/scia_22081998_120319110.egse_ltf.mp392.avg.cal.ps
Date: Sat Aug 22 20:37:20 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

```
time       = Sat Aug 22 20:37:02 1998
batch      = du1
Start TOD = Sat 22-Aug-98 12:03:46
End   TOD = Sat 22-Aug-98 12:05:37
Processing= computation of average, standard dev. and rel.standard dev.
```

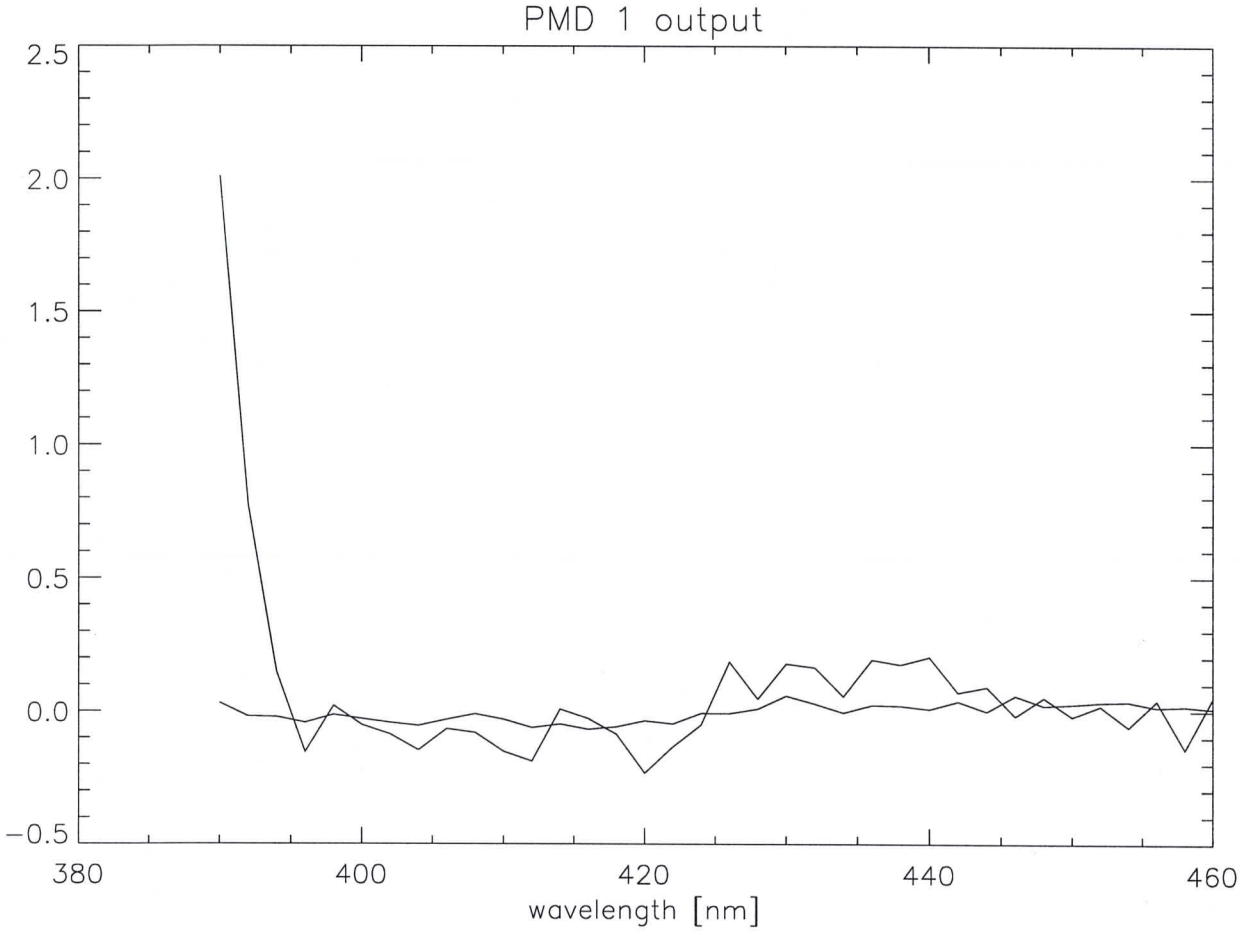
```
time       = Sat Aug 22 20:41:56 1998
batch      = du2
Start TOD  = Sat 22-Aug-98 13:03:27
End   TOD  = Sat 22-Aug-98 13:03:58
Processing= computation of average, standard dev. and rel.standard dev.
```

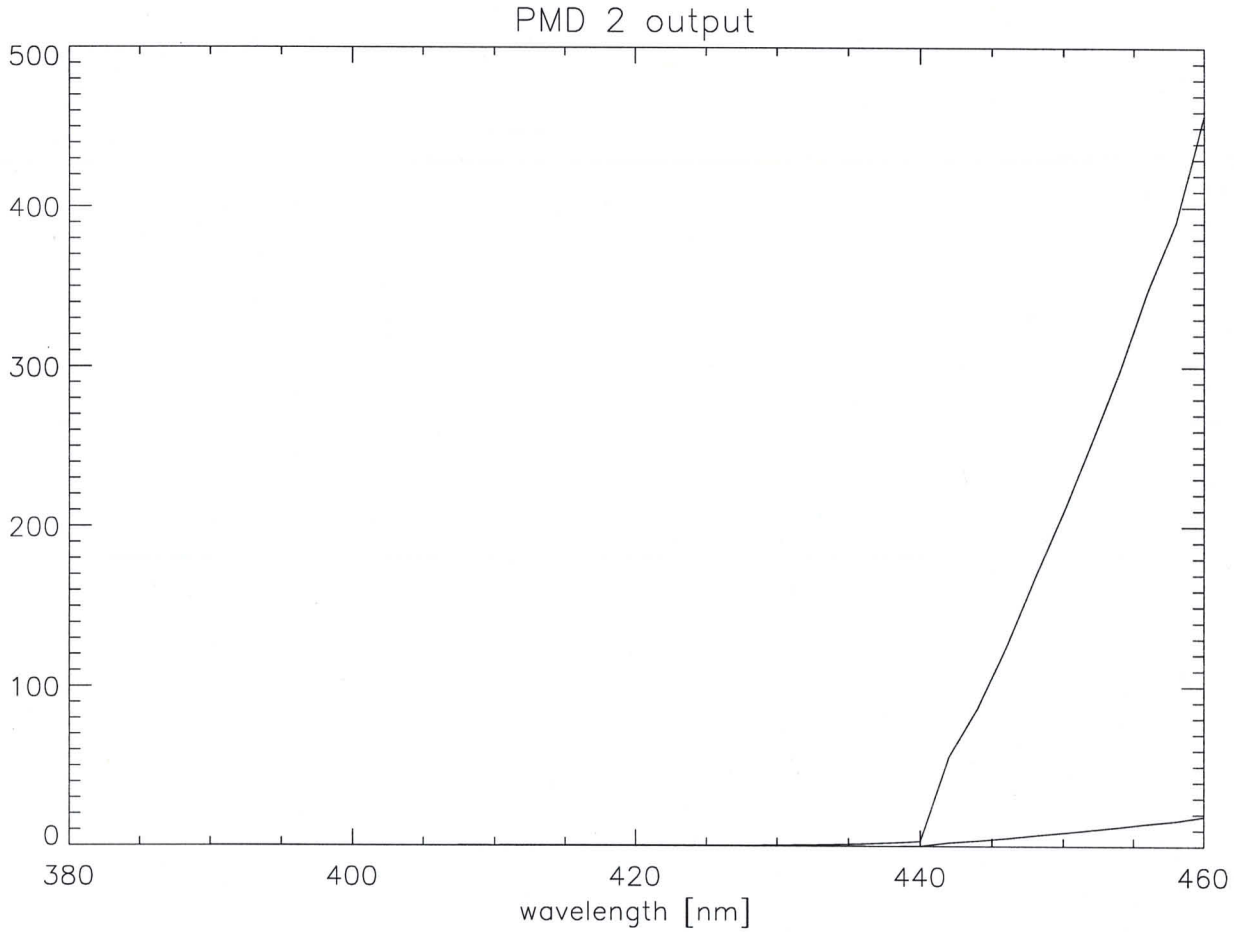
```
time       = Sat Aug 22 20:37:11 1998
batch      = mp390
Start TOD = Sat 22-Aug-98 12:05:37
End   TOD = Sat 22-Aug-98 12:07:23
Processing= computation of average, standard dev. and rel.standard dev.
```

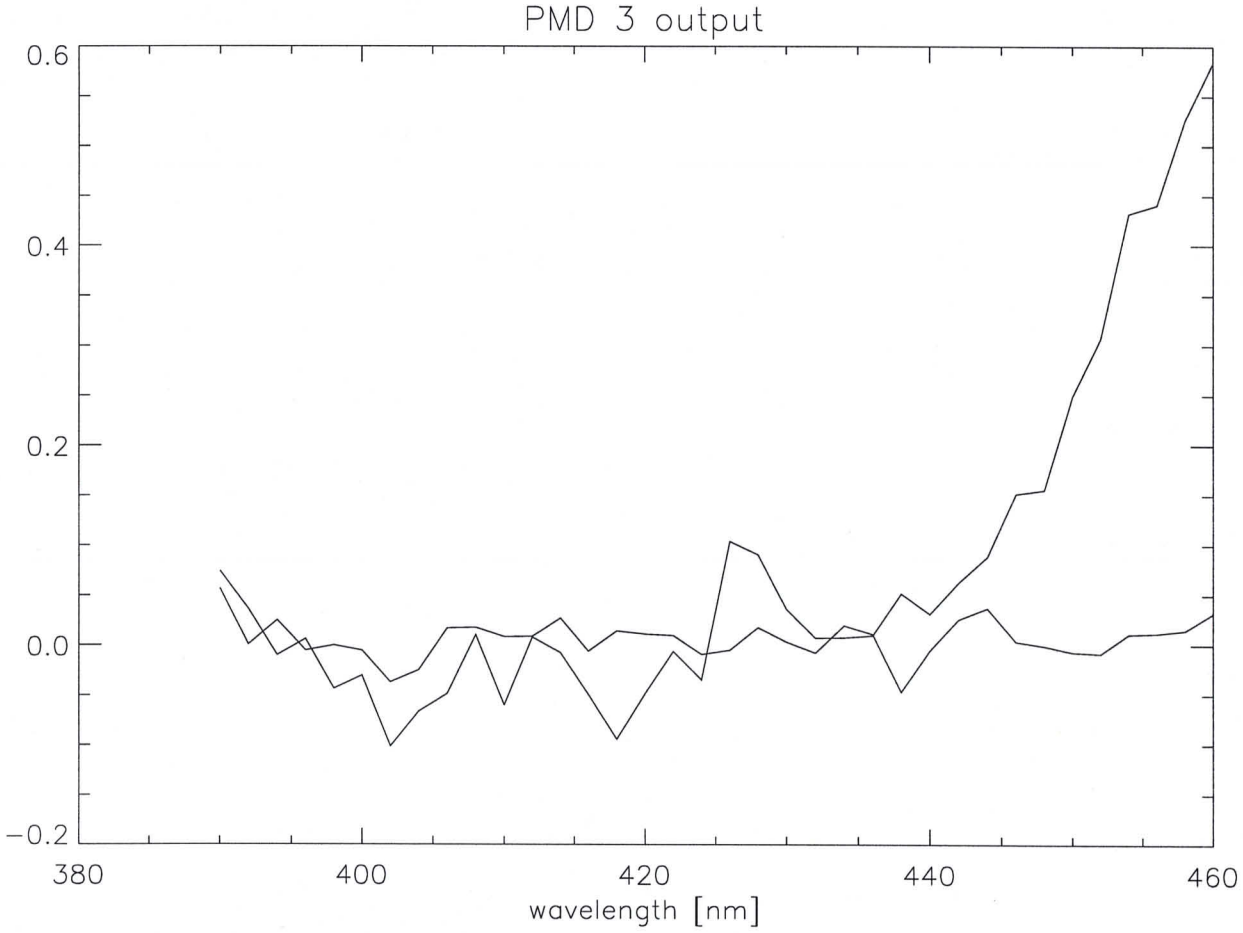
```
time       = Sat Aug 22 20:37:20 1998
batch      = mp392
Start TOD = Sat 22-Aug-98 12:07:23
End   TOD = Sat 22-Aug-98 12:08:58
Processing= computation of average, standard dev. and rel.standard dev.
```

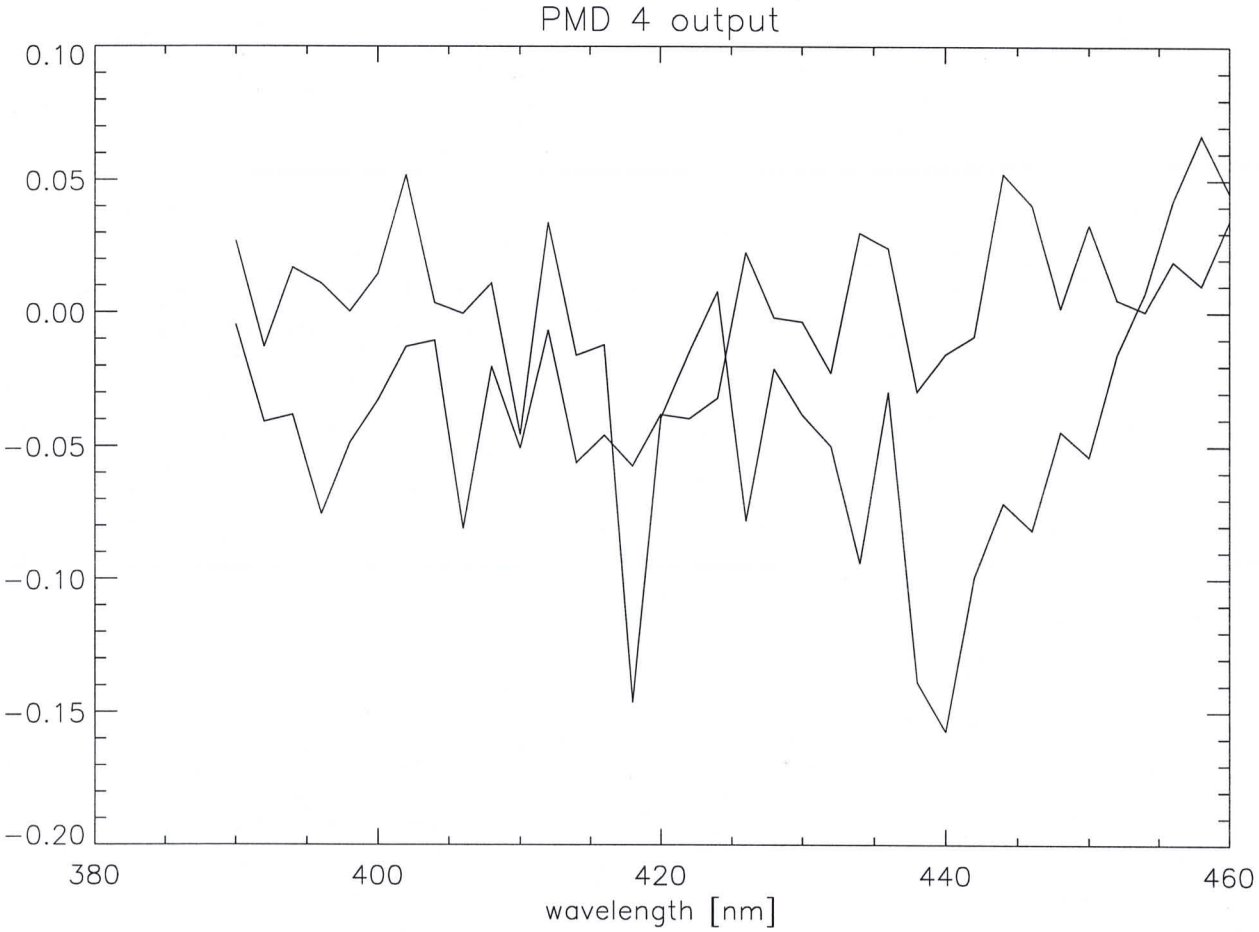
```
390.0 425.0 scia_22081998_120319110.egse_ltf.du1.avg.cal
425.0 460.0 scia_22081998_120319110.egse_ltf.du2.avg.cal
```

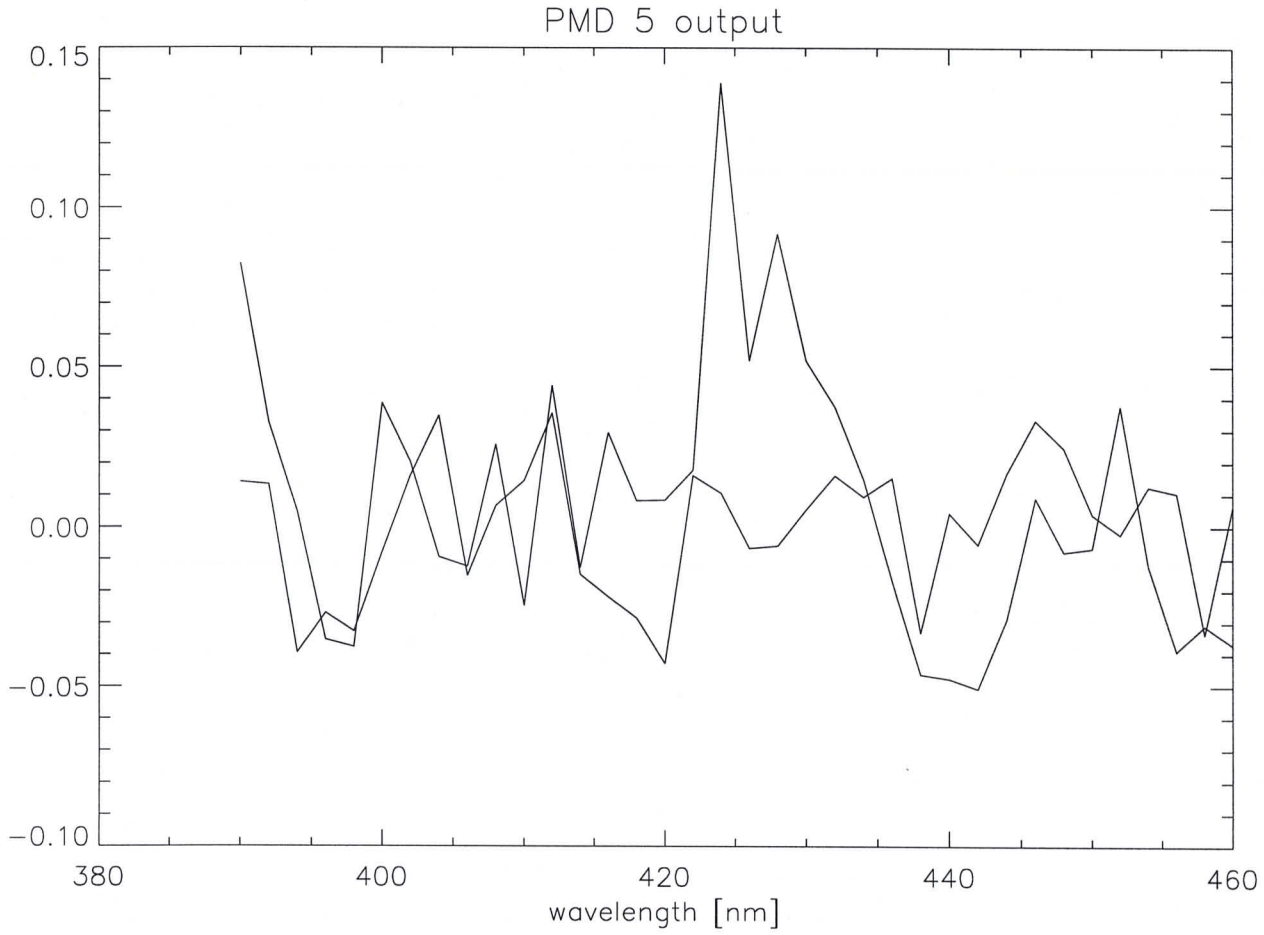
control_file

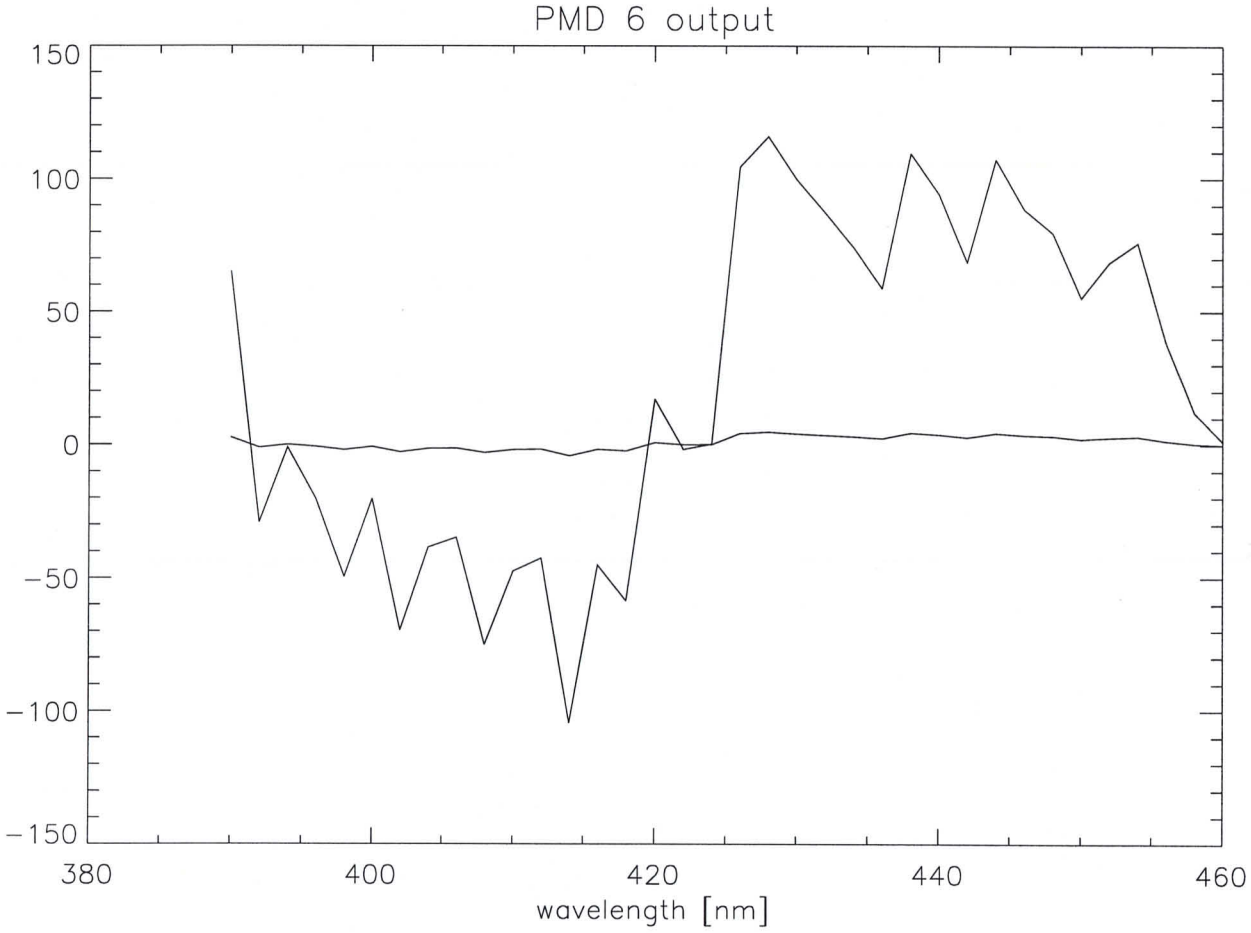

PMD 1 output
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
380
400
420
440
460
wavelength [nm]

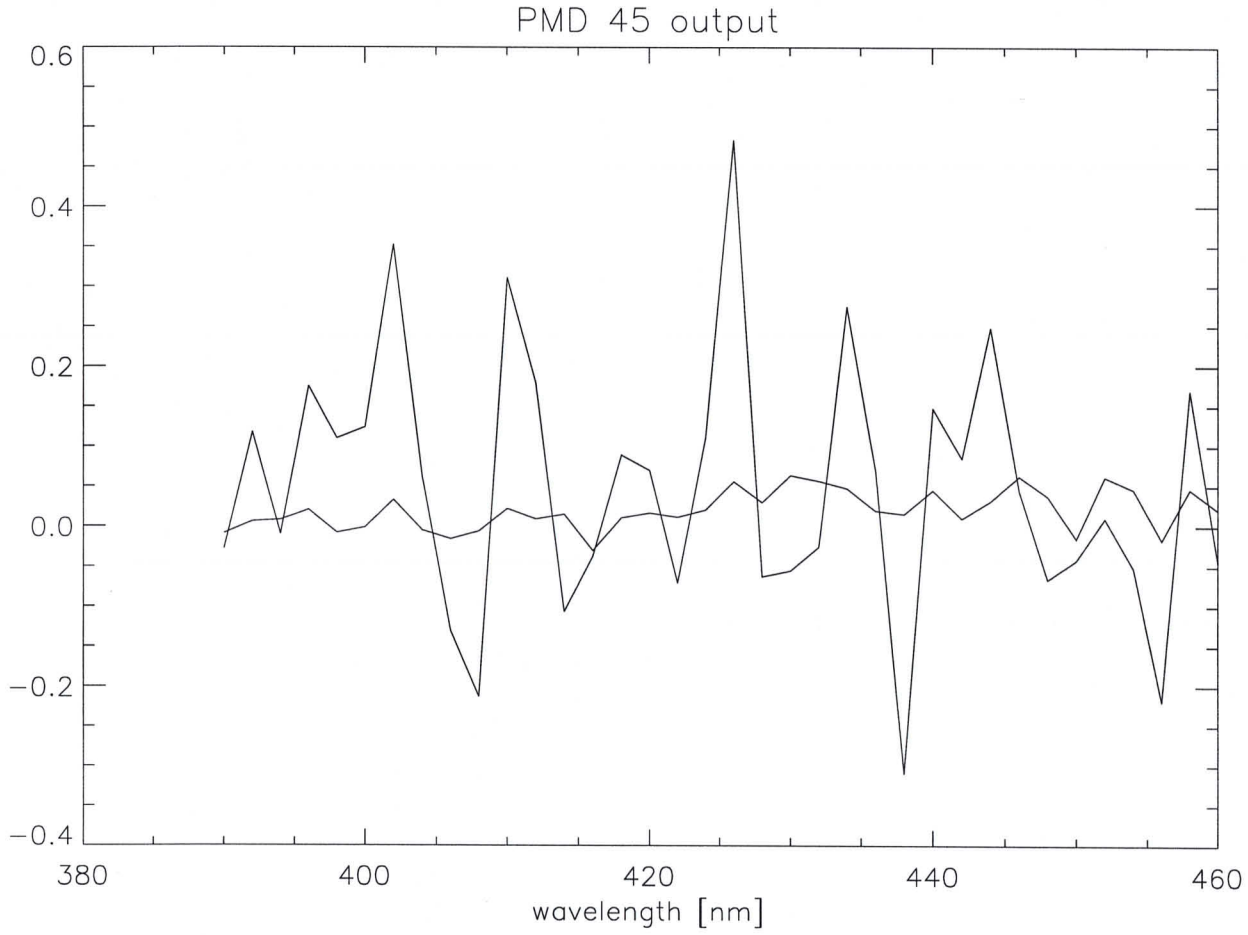

PMD 2 output
500
400
300
200
100
0
380
400
420
440
460
wavelength [nm]

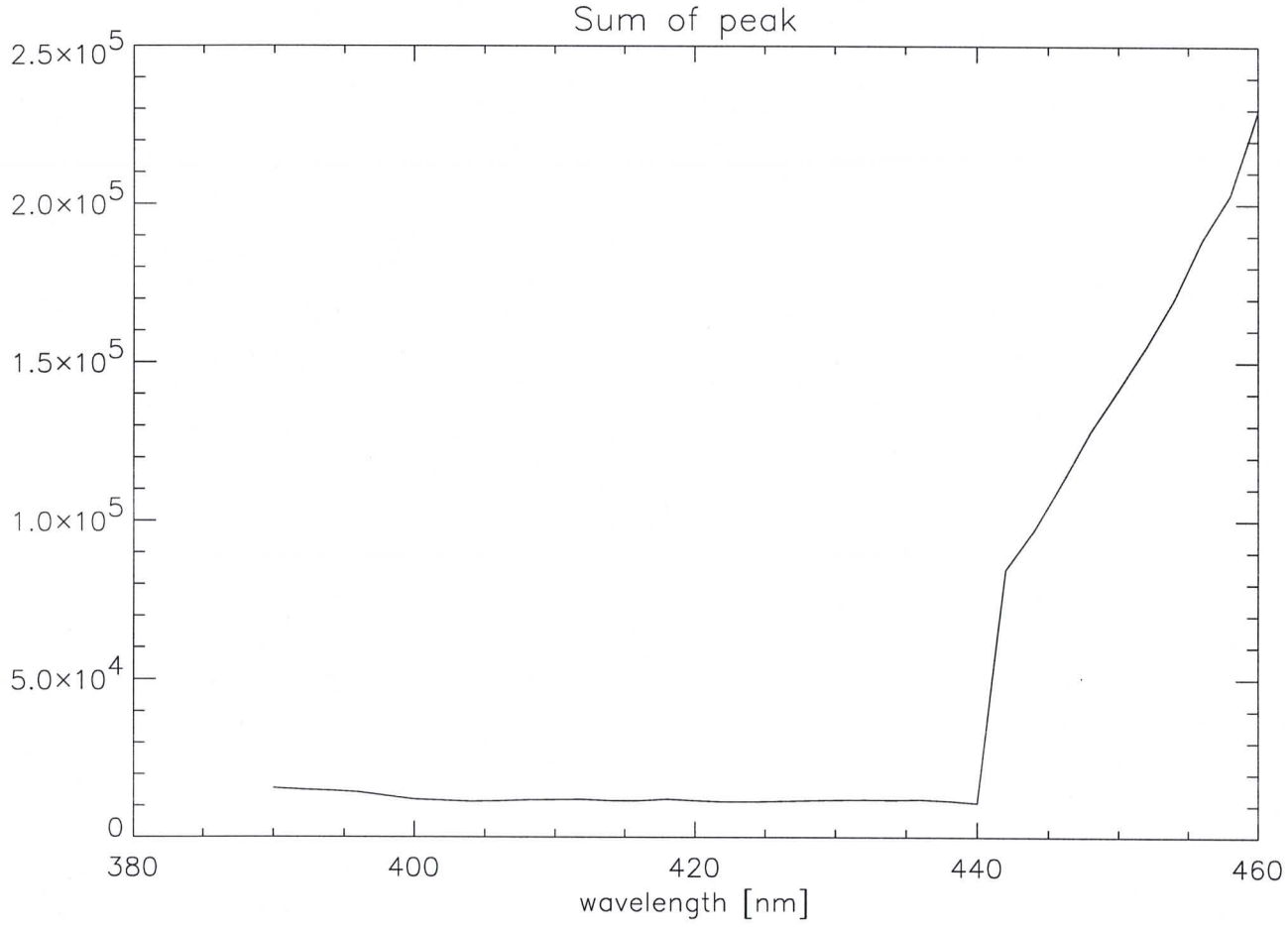

PMD 3 output
0.6
0.4
0.2
0.0
−0.2
380
400
420
440
460
wavelength [nm]

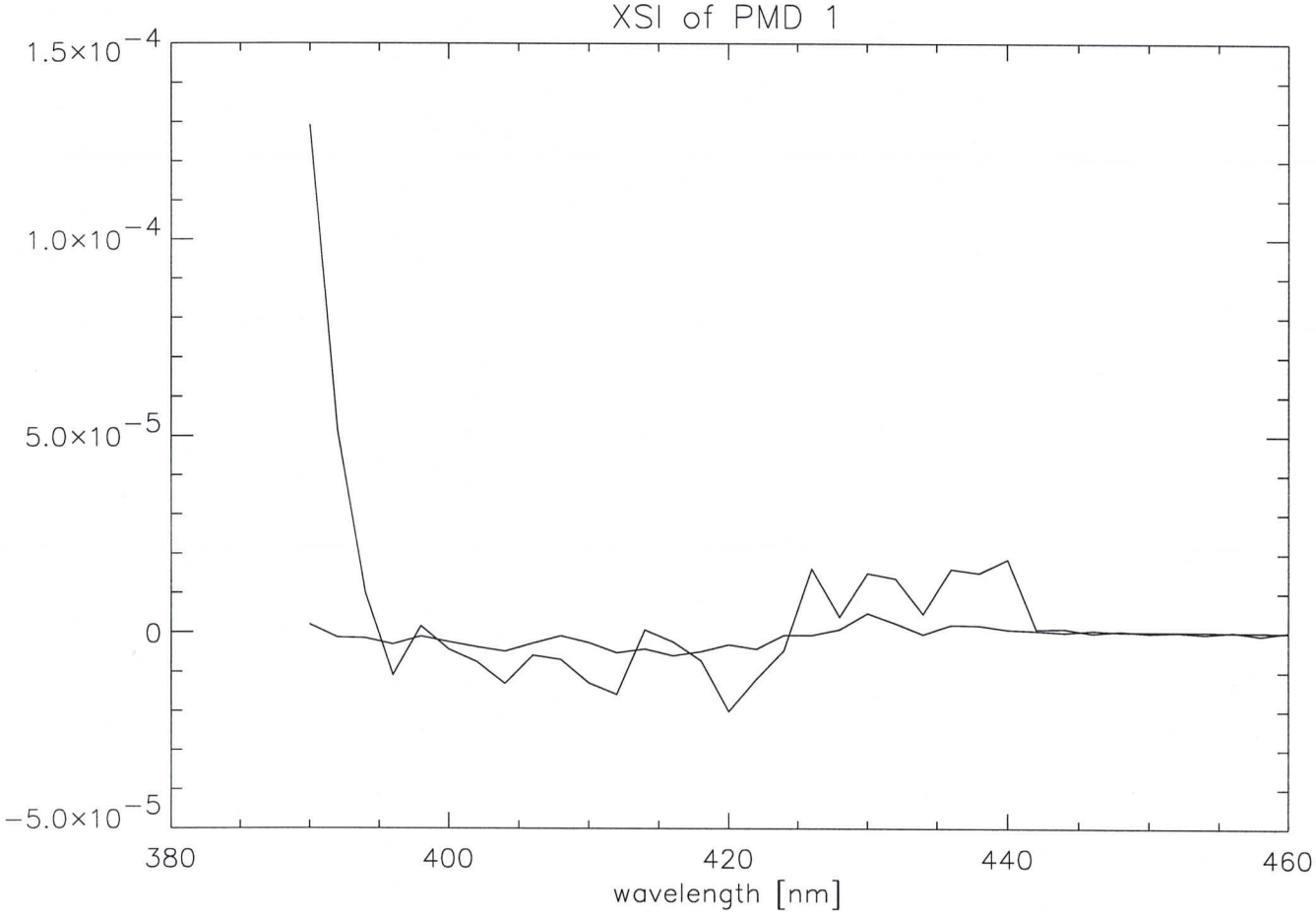

PMD 4 output
0.10
0.05
0.00
−0.05
−0.10
−0.15
−0.20
380
400
420
440
460
wavelength [nm]

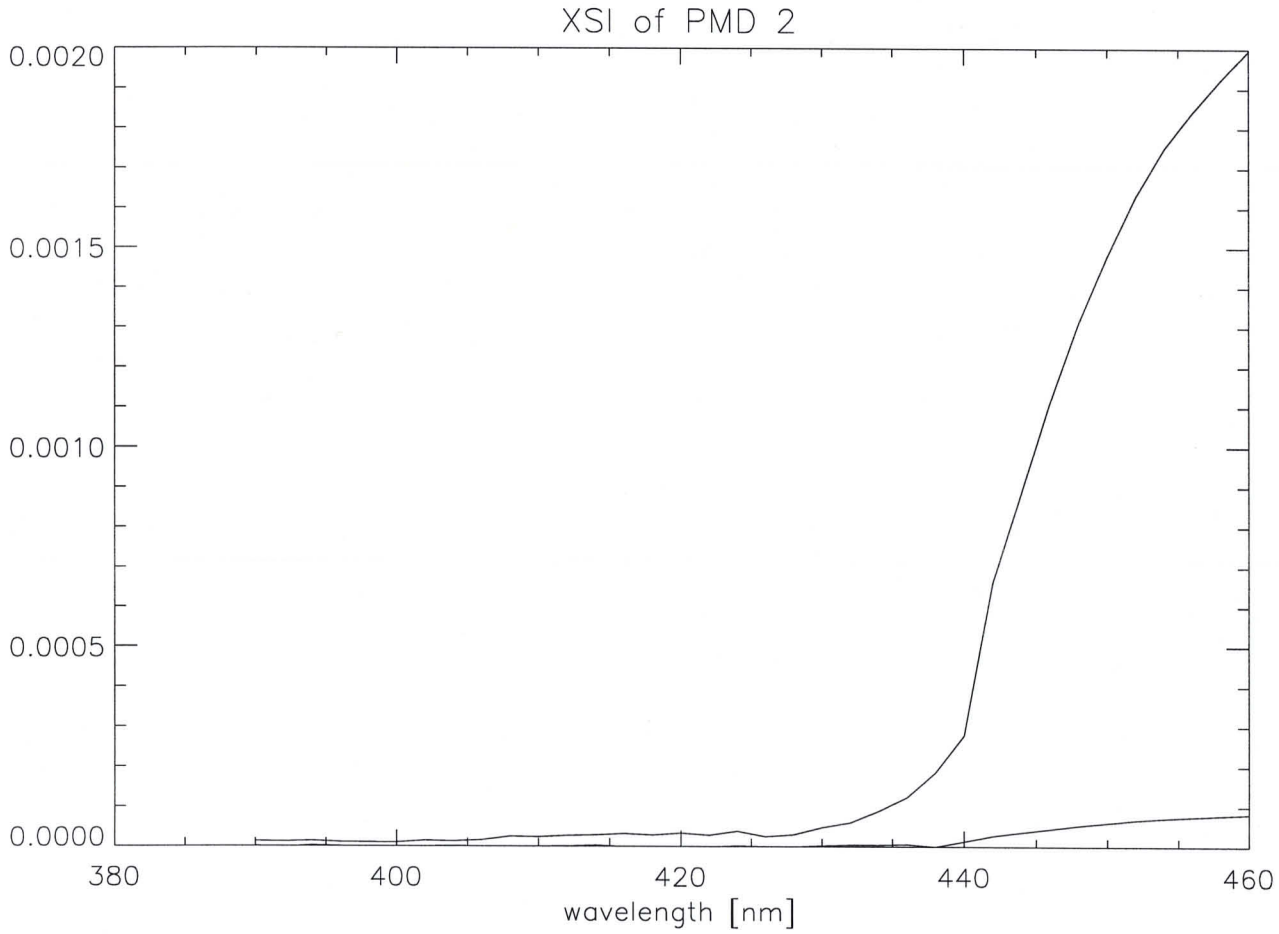

PMD 5 output
0.15
0.10
0.05
0.00
−0.05
−0.10
380
400
420
440
460
wavelength [nm]

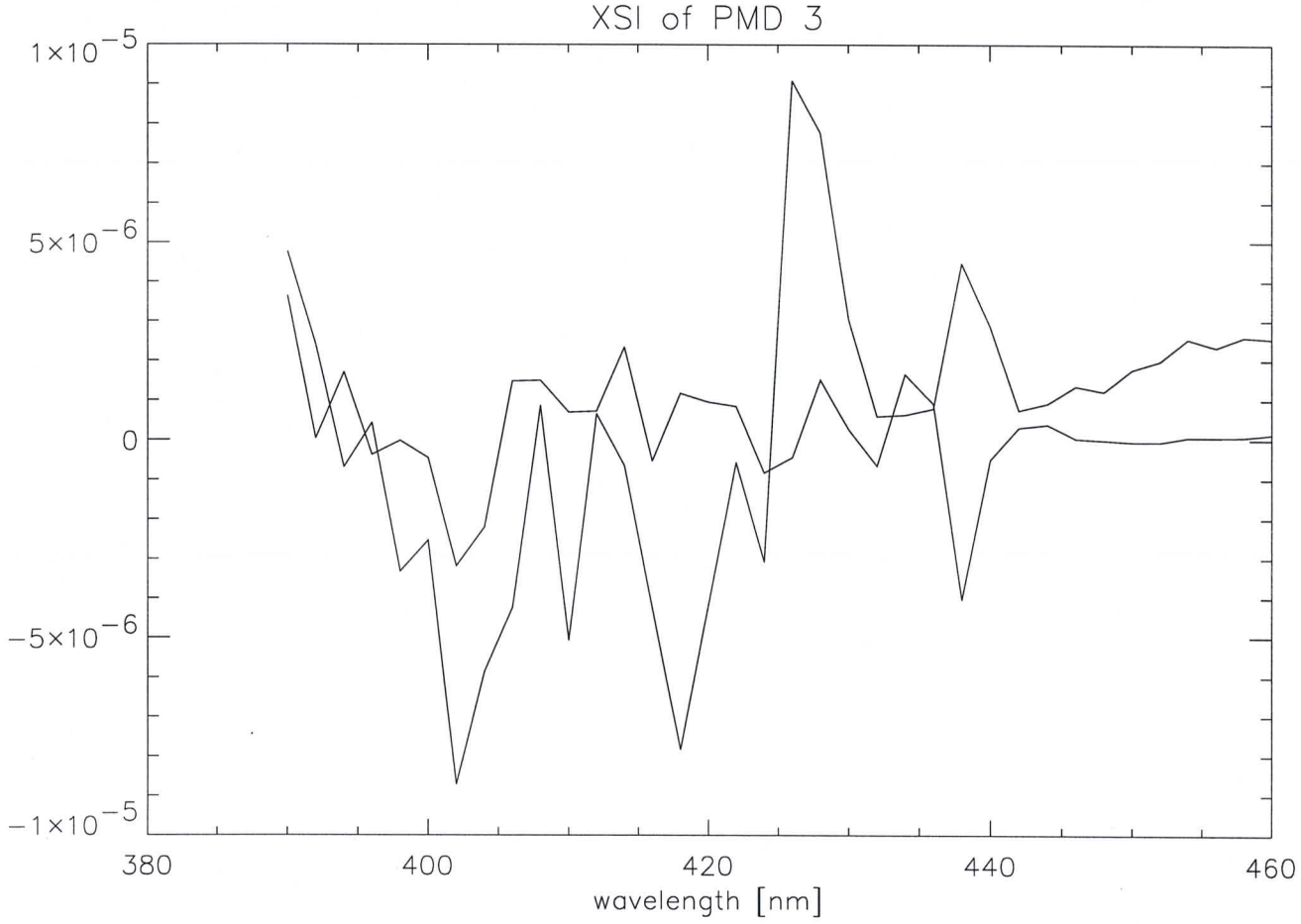

PMD 6 output
150
100
50
0
−50
−100
−150
380
400
420
440
460
wavelength [nm]

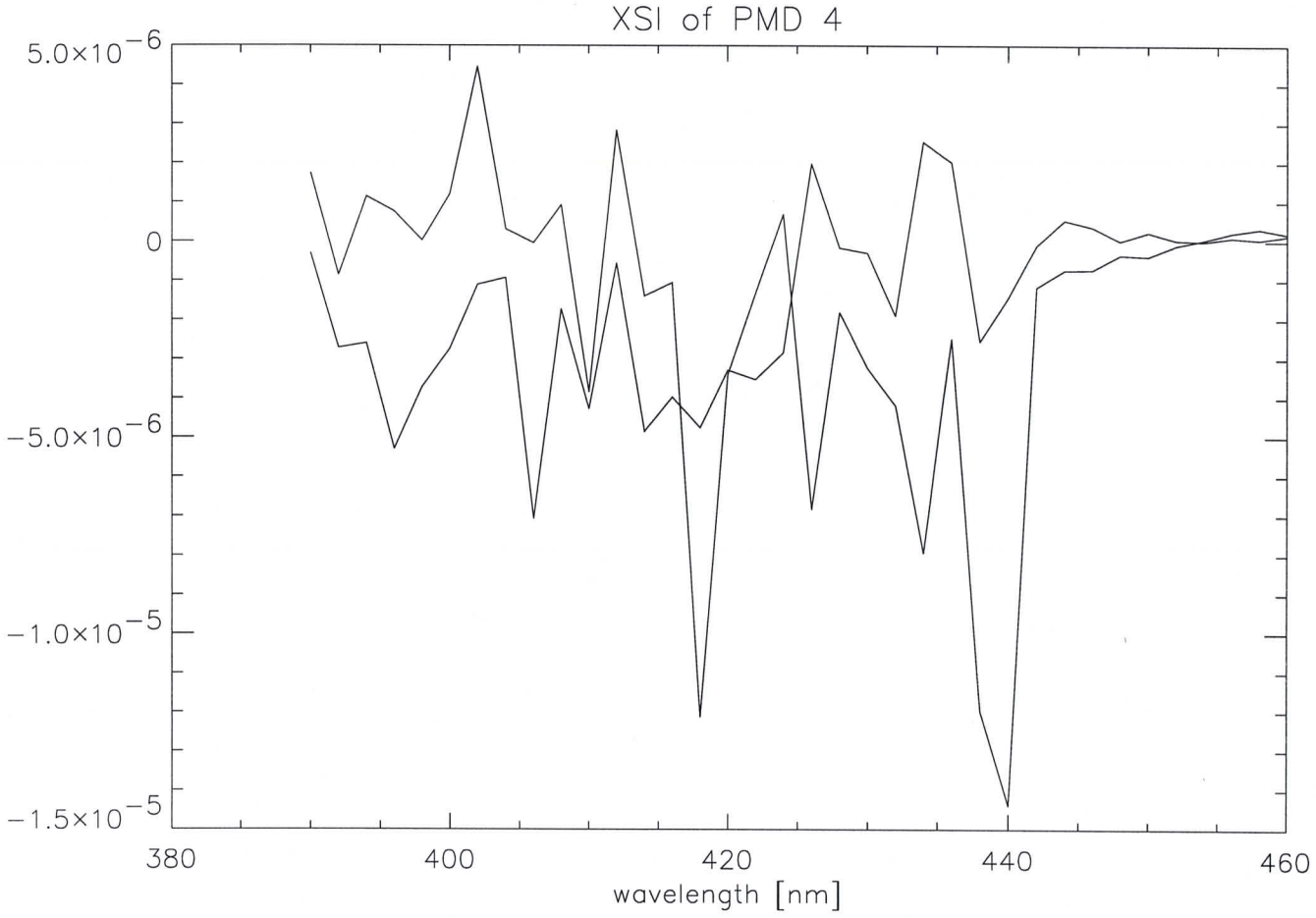

PMD 45 output
0.6
0.4
0.2
0.0
−0.2
−0.4
380
400
420
440
460
wavelength [nm]

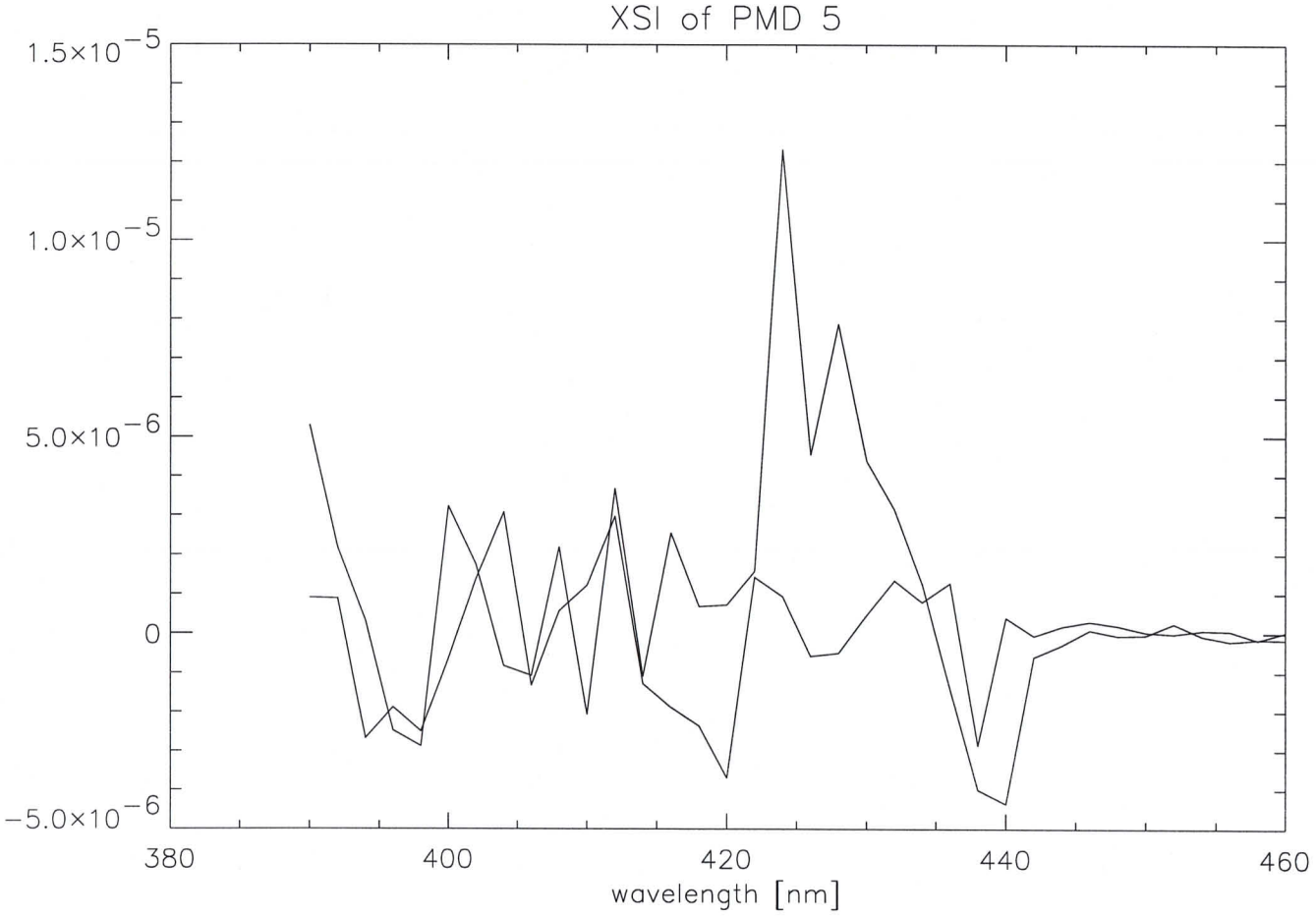

Sum of peak
2.5×10^5
2.0×10^5
1.5×10^5
1.0×10^5
5.0×10^4
0
380
400
420
440
460
wavelength [nm]

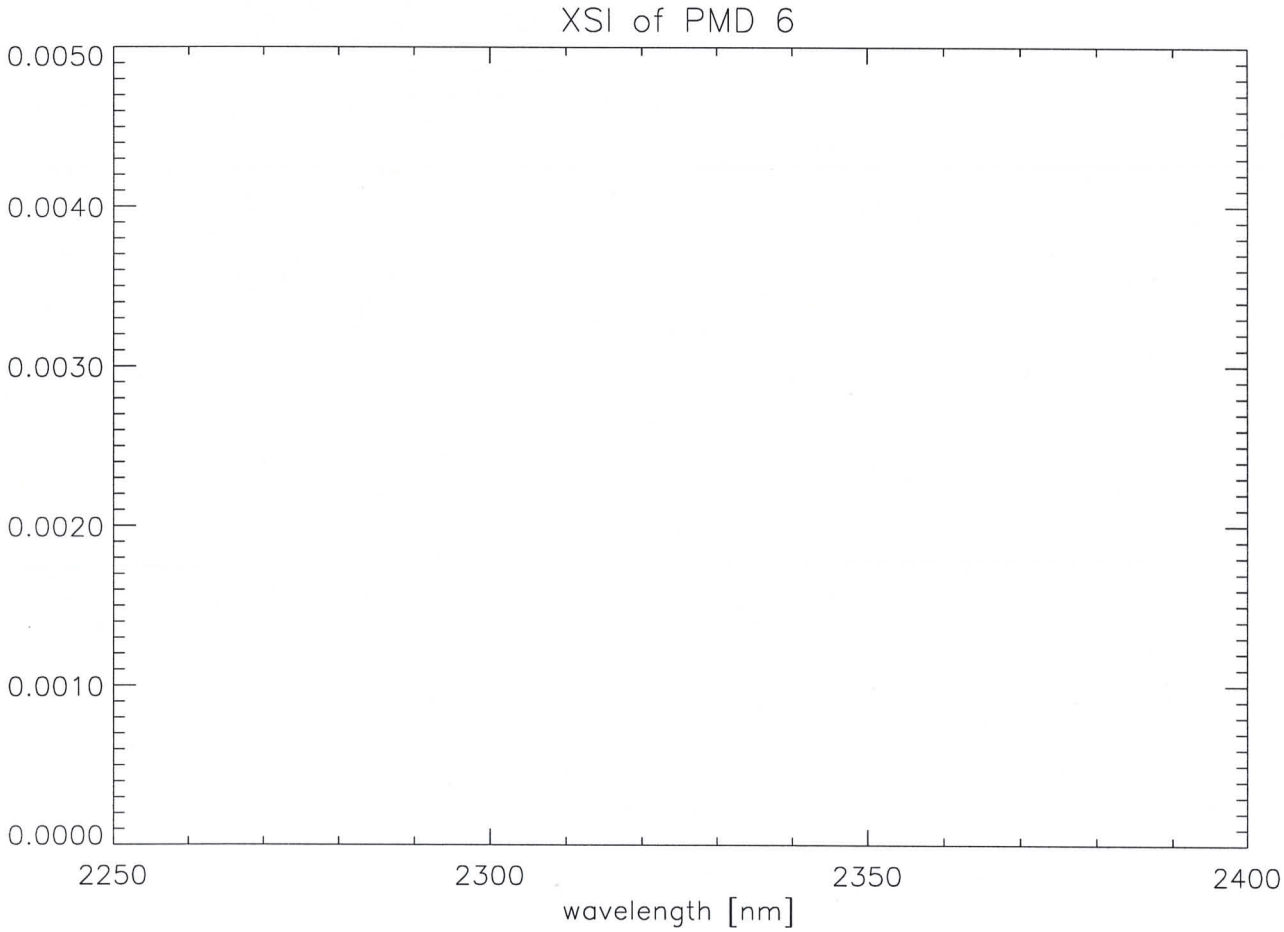

XSI of PMD 1
1.5×10−4
1.0×10−4
5.0×10−5
0
−5.0×10−5
380
400
420
440
460
wavelength [nm]

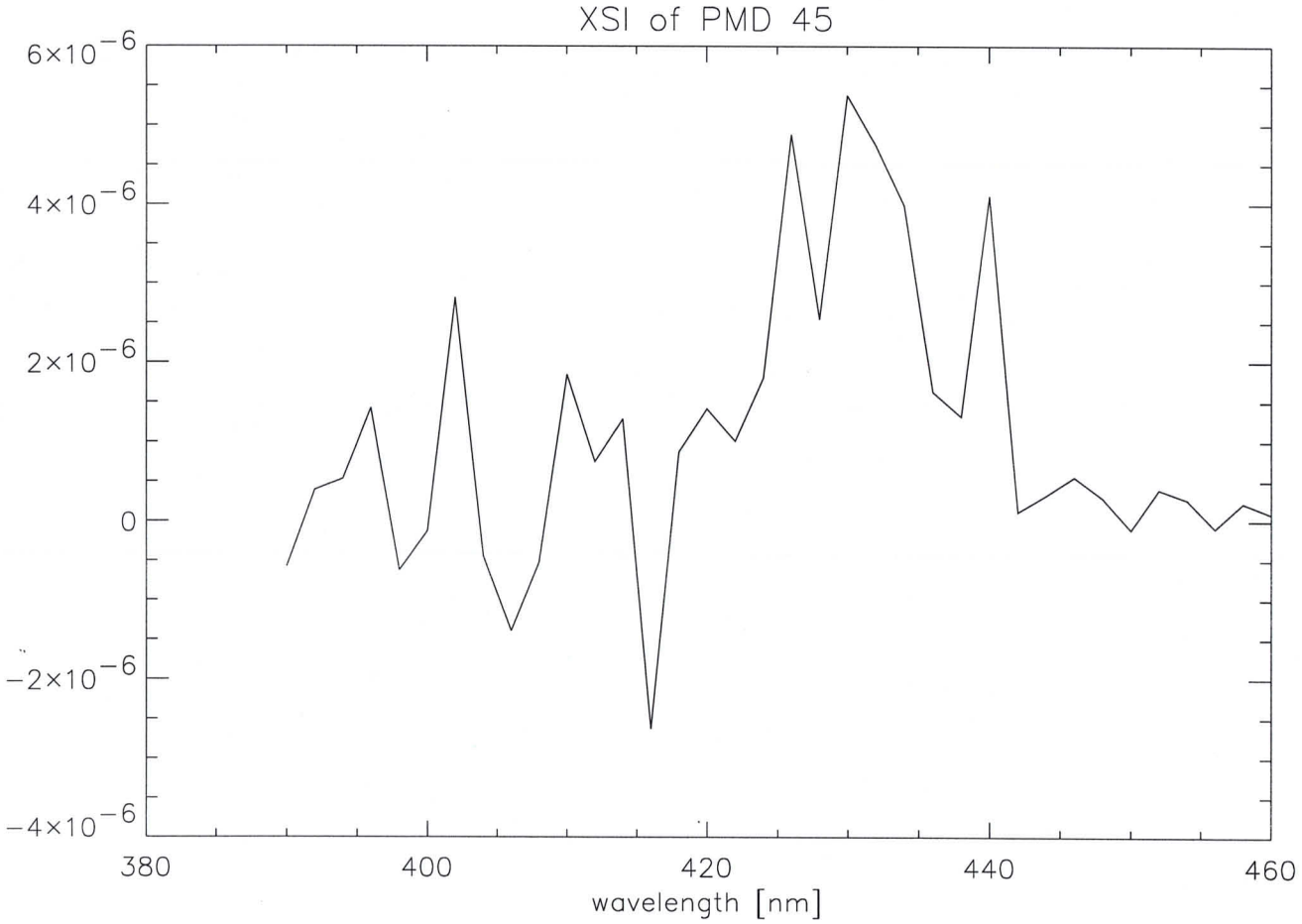

XSI of PMD 2
0.0020
0.0015
0.0010
0.0005
0.0000
380
400
420
440
460
wavelength [nm]


XSI of PMD 3
1×10−5
5×10−6
0
−5×10−6
−1×10−5
380
400
420
440
460
wavelength [nm]


XSI of PMD 4
5.0×10−6
0
−5.0×10−6
−1.0×10−5
−1.5×10−5
380
400
420
440
460
wavelength [nm]


XSI of PMD 5
1.5×10−5
1.0×10−5
5.0×10−6
0
−5.0×10−6
380
400
420
440
460
wavelength [nm]


XSI of PMD 6
0.0050
0.0040
0.0030
0.0020
0.0010
0.0000
2250
2300
2350
2400
wavelength [nm]


XSI of PMD 45
6×10−6
4×10−6
2×10−6
0
−2×10−6
−4×10−6
380
400
420
440
460
wavelength [nm]

```
Version:  0.1
Input files:  /disk1/scia/DATA-DIR/XSI-UV-II/3/control-file
 scia_22081998_120319110.egse_ltf.du1.avg.cal
 scia_22081998_120319110.egse_ltf.du2.avg.cal
 /disk1/scia/DATA-DIR/XSI-UV-II/3/scia_22081998_120319110.egse_ltf.mp390.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-II/3/scia_22081998_120319110.egse_ltf.mp392.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-II/3/scia_22081998_120319110.egse_ltf.mp394.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-II/3/scia_22081998_120319110.egse_ltf.mp396.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-II/3/scia_22081998_120319110.egse_ltf.mp398.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-II/3/scia_22081998_120319110.egse_ltf.mp400.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-II/3/scia_22081998_120319110.egse_ltf.mp402.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-II/3/scia_22081998_120319110.egse_ltf.mp404.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-II/3/scia_22081998_120319110.egse_ltf.mp406.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-II/3/scia_22081998_120319110.egse_ltf.mp408.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-II/3/scia_22081998_120319110.egse_ltf.mp410.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-II/3/scia_22081998_120319110.egse_ltf.mp412.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-II/3/scia_22081998_120319110.egse_ltf.mp414.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-II/3/scia_22081998_120319110.egse_ltf.mp416.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-II/3/scia_22081998_120319110.egse_ltf.mp418.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-II/3/scia_22081998_120319110.egse_ltf.mp420.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-II/3/scia_22081998_120319110.egse_ltf.mp422.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-II/3/scia_22081998_120319110.egse_ltf.mp424.avg.c
   lisk1/scia/DATA-DIR/XSI-UV-II/3/scia_22081998_120319110.egse_ltf.mp426.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-II/3/scia_22081998_120319110.egse_ltf.mp428.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-II/3/scia_22081998_120319110.egse_ltf.mp430.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-II/3/scia_22081998_120319110.egse_ltf.mp432.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-II/3/scia_22081998_120319110.egse_ltf.mp434.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-II/3/scia_22081998_120319110.egse_ltf.mp436.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-II/3/scia_22081998_120319110.egse_ltf.mp438.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-II/3/scia_22081998_120319110.egse_ltf.mp440.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-II/3/scia_22081998_120319110.egse_ltf.mp442.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-II/3/scia_22081998_120319110.egse_ltf.mp444.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-II/3/scia_22081998_120319110.egse_ltf.mp446.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-II/3/scia_22081998_120319110.egse_ltf.mp448.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-II/3/scia_22081998_120319110.egse_ltf.mp450.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-II/3/scia_22081998_120319110.egse_ltf.mp452.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-II/3/scia_22081998_120319110.egse_ltf.mp454.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-II/3/scia_22081998_120319110.egse_ltf.mp456.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-II/3/scia_22081998_120319110.egse_ltf.mp458.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-II/3/scia_22081998_120319110.egse_ltf.mp460.avg.c
Processing:
(   putation of XSI
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/200898/ppg.cal
ETALON correction filename used: /disk1/scia/DATA-DIR/CORR/200898/etalon.cal
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/200898/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/200898/wl.data
STRAYLIGHT correction filename used: /disk1/scia/DATA-DIR/CORR/200898/stray.da
Processing time: Sat Aug 22 20:53:15 1998
Output file name:
/disk1/scia/DATA-DIR/XSI-UV-II/3/scia_22081998_120319110.egse_ltf.du1.avg.p1.c
```

LOG SHEET SCHIAMACHY CALIBRATION

Date/Time	Description of action	Measurement directory
	A. Bos:	

Why # repetition = 1 (timeline and Stim ~~det~~ settings) is enough! for XI-1IV-I msm! (for PMDs)

Number of samples during one rep. step = n = 64 * 40 ≈ 2500
(64 = pet × co-add; 40 = sampling freq.)

Max PMD1 reading (at 350nm) ≤ 1000
dark current PMD1 ≈ 600
} PMD@350nm − PMDdark = 150 !

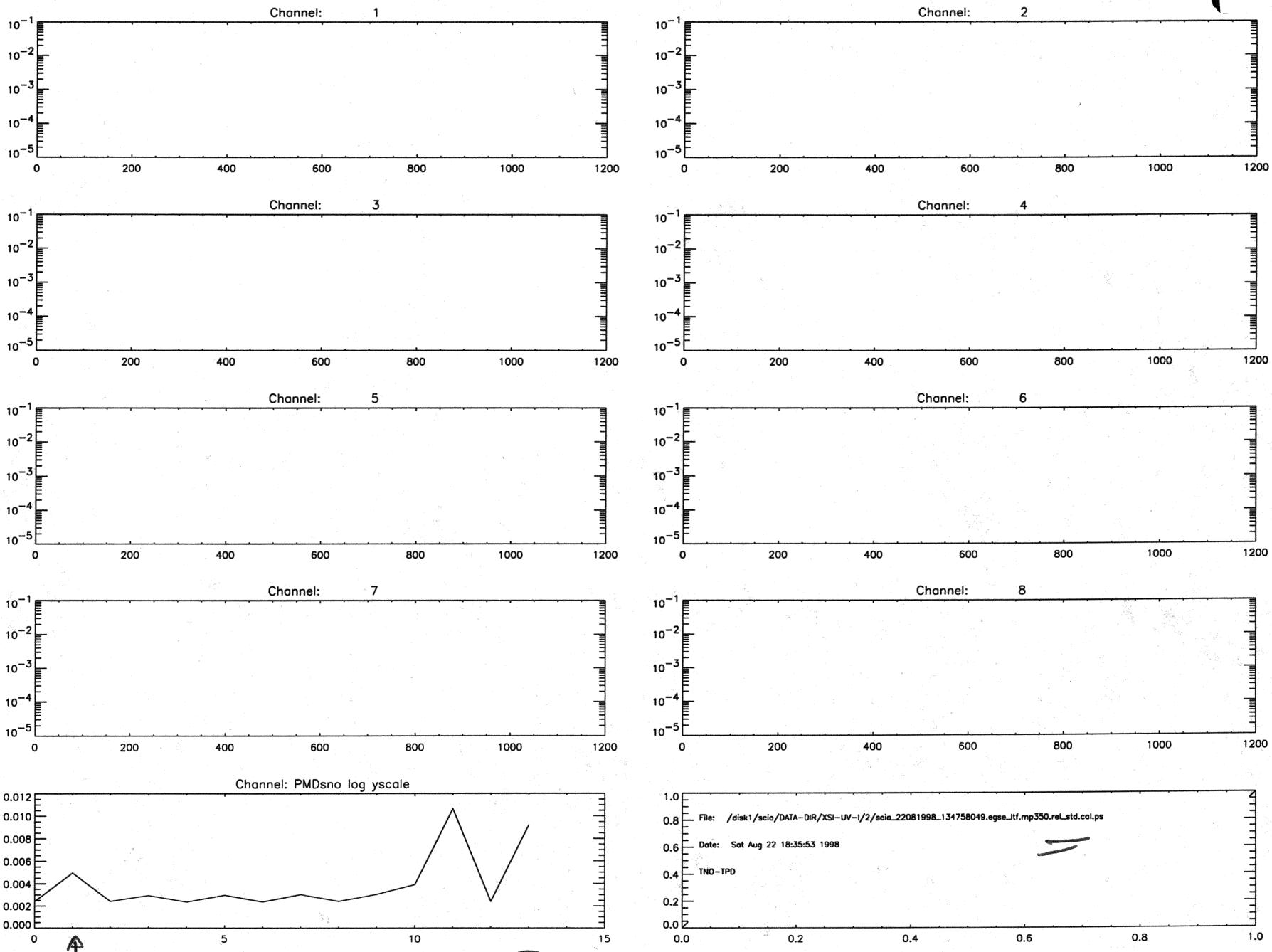
rel. standard deviation @ 350nm ≈ $4 \cdot 10^{-3}$
stand. deviation = @ 350nm = $\sigma \leq 4 \cdot 10^{-3} \times 1.10^{3} \leq 4$.

Then, Interval-length of mean*) = Δ can be computed as:

$$\Delta = \sqrt{\frac{4 \cdot 1.96^2 \, \sigma^2}{n}} \approx \sqrt{\frac{16 * 16}{2500}} \approx \sqrt{\frac{256}{2500}} \approx \sqrt{\frac{1}{10}} \approx 0.3$$

This is about 0.3% of PMD@350nm − PMDdark (=150).

*) See App I, Interval-length Δ: actual mean lies in ~~region~~ region $[\bar{x} - \frac{1}{2}\Delta, \bar{x} + \frac{1}{2}\Delta]$ with confidence 95%. (or 99%, but then the numbers change)



~~0.005~~ 5.10^{-3} rel_std of PMD (HSM gain

App I

- $E[s^2] = \frac{n-1}{n}\sigma^2$; voor grote steekproef $\approx \sigma^2$
- $\sigma^2[s^2] = \sigma^2 \cdot \sqrt{\frac{2(n-1)}{n^2}}$; voor grote steekproef $\approx \sigma^2\sqrt{\frac{2}{n}}$
- $\frac{ns^2}{\sigma^2}$ verdeeld als χ^2_{n-1}; voor grote steekproef normaal verdeeld.

3.3 *Schatting van parameters*

Steekproef en schatting
Dikwijls is wel de vorm van de populatieverdeling bekend (zoals normale- of Poisson-verdeling), maar moet nog één (of meer) van de parameters (zoals μ of λ) bepaald worden.
In de regel zal dit gebeuren met een steekproef, waarmee een *schatting* van de onbekende parameter(s) verkregen wordt. Hierbij wordt een geschikte steekproefvariabele V gekozen, die als *schatter* van de parameter p fungeert.

Een *beste schatter* V voldoet aan de volgende criteria:
- *Voldoende:* de waarde van V bevat alle relevante informatie.
- *Zuiver:* de verwachtingswaarde van V is gelijk aan parameter p.
- *Efficiënt:* de variantie van V is klein, en dus levert V een nauwkeurige schatting.
- *Consistent:* als de steekproefomvang groter wordt, wordt de schatting nauwkeuriger.

De steekproevenverdeling van V speelt een belangrijke rol bij de schatting.

Bepaling steekproefomvang
Om met betrouwbaarheid $(1-\alpha)$ een interval-lengte Δ te krijgen is de *benodigde steekproefomvang* $n \geqq \frac{4 \cdot u^2_{1-1/2\alpha} \cdot \sigma^2}{\Delta^2}$

Als σ onbekend is, dan eerst een schatting hiervoor berekenen met een kleine steekproef en later een steekproef van omvang n.

Schattingsmethoden
Puntschatting. Hierbij wordt de parameter geschat op basis van de waargenomen waarde van de beste schatter V, notatie $\hat{p} = v$. De nauwkeurigheid van de schatter blijft dus onvermeld.
Intervalschatting. Als de steekproevenverdeling van de beste schatter V bekend is, kan een interval worden bepaald, waarin de parameter met een gekozen betrouwbaarheid $(1-\alpha)$ moet liggen, notatie: $v_1 < p < v_2$. De grenzen v_1 en v_2 hangen af van de gekozen waarde $(1-\alpha)$. Vaak wordt voor α de waarde 0,05 of 0,01 genomen.
Simultane schatting. Als twee (of meer) parameters onbekend zijn, kunnen deze geschat worden met twee (of meer) schatters. Puntschatting gaat hierbij analoog met $\hat{p}_1 = v_1$, $\hat{p}_2 = v_2$. Bij intervalschatting zal echter i.h.a. sprake zijn van een gecombineerd interval wegens de onderlinge afhankelijkheid.

Schatting populatiegemiddelde μ bij grote steekproef
De beste schatter is het steekproefgemiddelde $\bar{x}$, dat normaal is verdeeld, zodat de *u-schatting* gebruikt wordt (zie tabel 5.3, pag. A3/32).

Met $\sigma_{\bar{x}} = \frac{\sigma}{\sqrt{n}}$ (als σ bekend) óf $\frac{s}{\sqrt{n}}$ (als σ onbekend).
Puntschatting: $\mu = \bar{x}$.
Intervalschatting: $\bar{x} - u_{1-1/2\alpha} \cdot \sigma_{\bar{x}} < \mu < \bar{x} + u_{1-1/2\alpha} \cdot \sigma_{\bar{x}}$

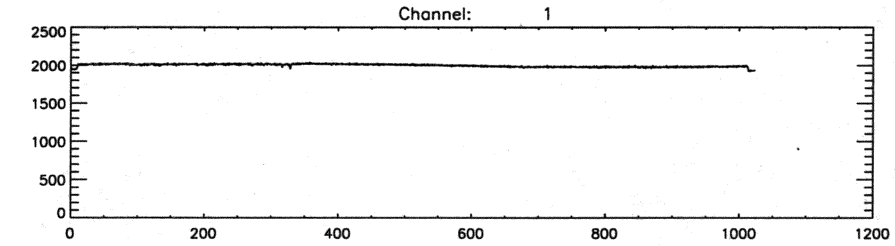
Tabel 3.2 Onderschrijdingswaarden u bij bekende σ

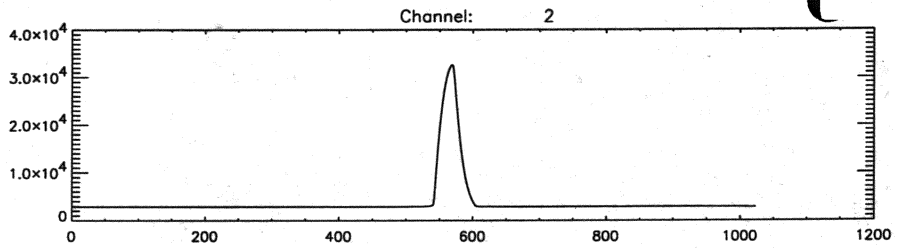
$(1-\alpha)$	0,90	0,95	0,99	0,68	0,944	0,997
$u_{1-1/2\alpha}$	1,645	1,96	2,58	1	2	3

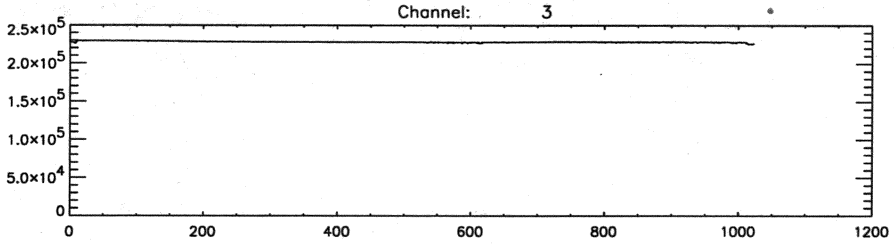
Schatting populatievariantie σ^2 bij grote steekproef

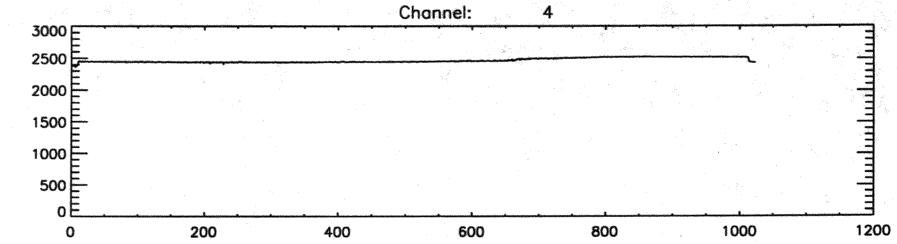
De beste schatter is $\frac{n}{n-1} \cdot s^2$.

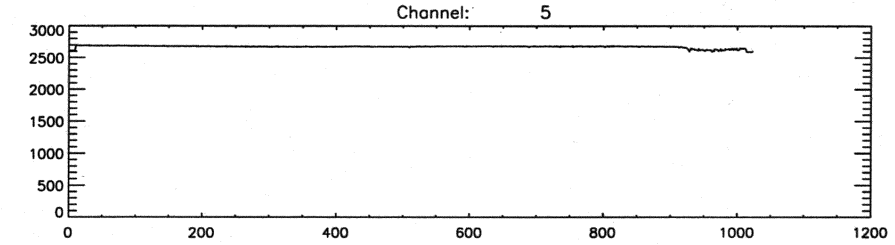
Alleen wanneer de populatieverdeling een normale verdeling is, geldt:

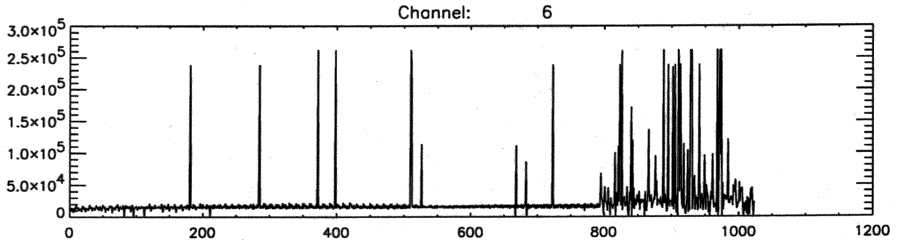

Channel: 1
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200

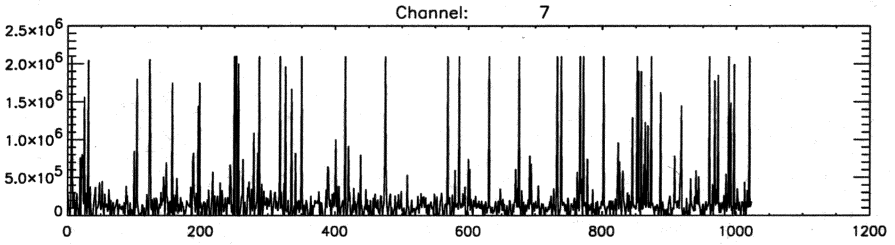

Channel: 2
4.0x10^4
3.0x10^4
2.0x10^4
1.0x10^4
0
0
200
400
600
800
1000
1200

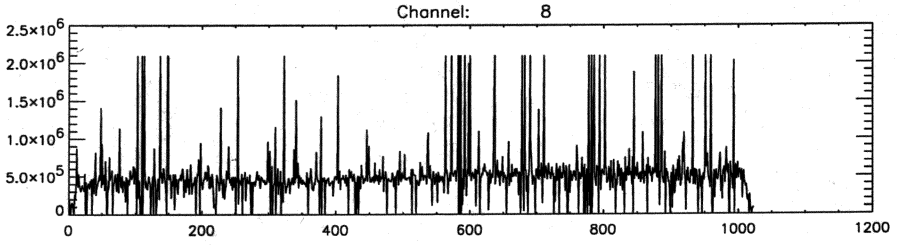

Channel: 3
2.5x10^5
2.0x10^5
1.5x10^5
1.0x10^5
5.0x10^4
0
0
200
400
600
800
1000
1200

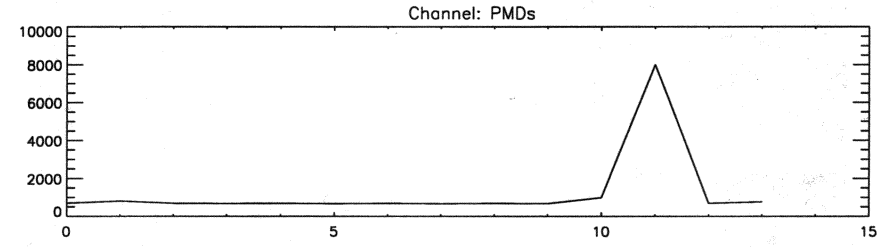

Channel: 4
3000
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200

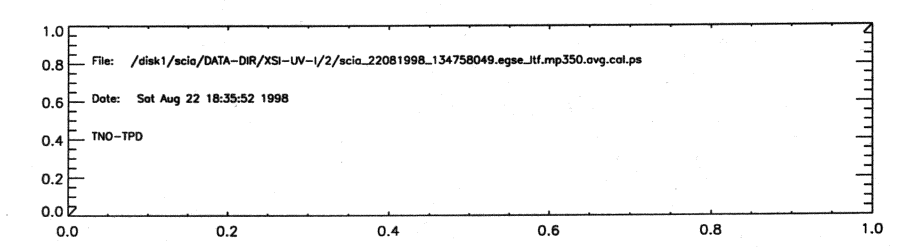

Channel: 5
3000
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200

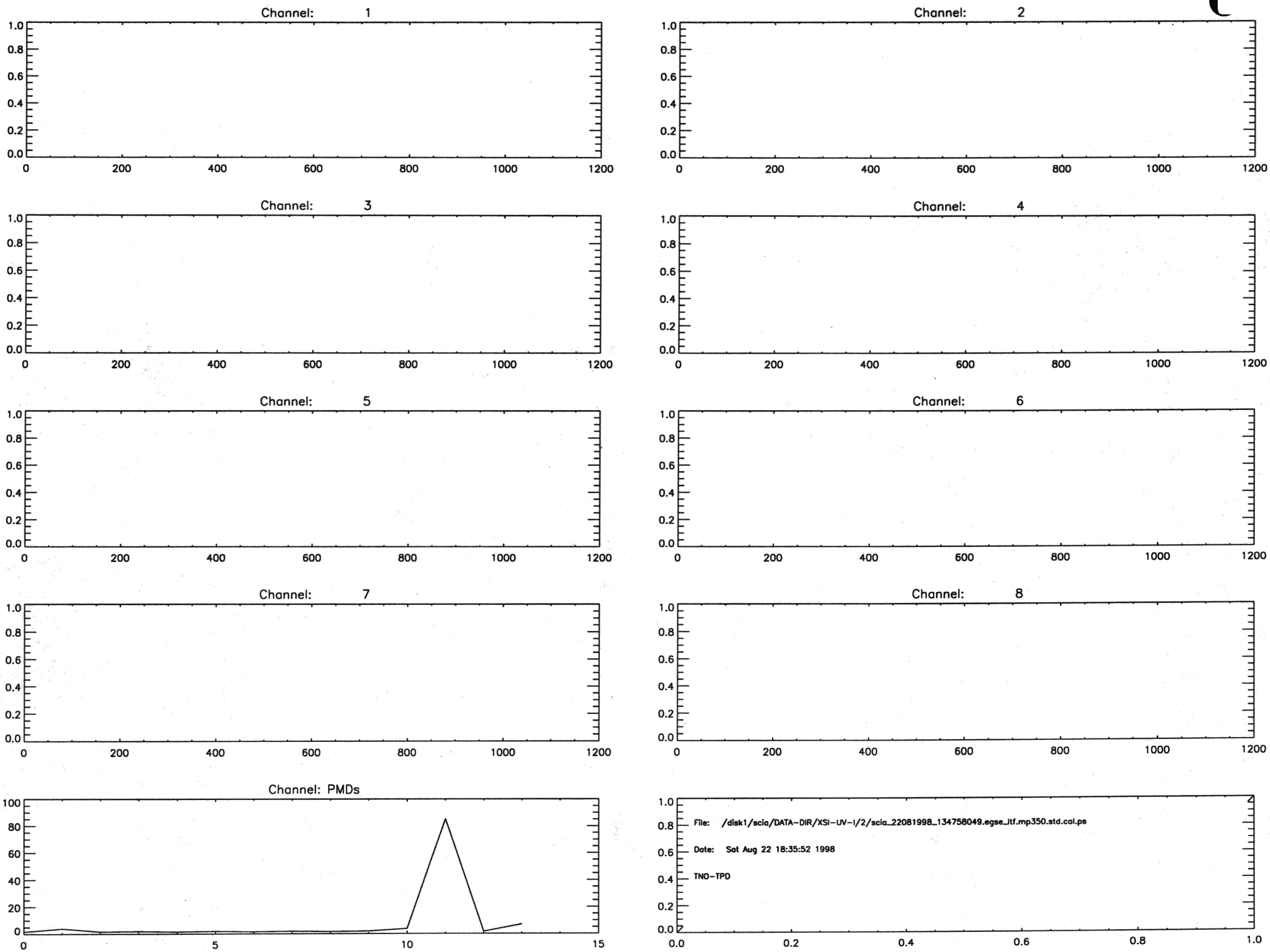

Channel: 6
3.0x10^5
2.5x10^5
2.0x10^5
1.5x10^5
1.0x10^5
5.0x10^4
0
0
200
400
600
800
1000
1200

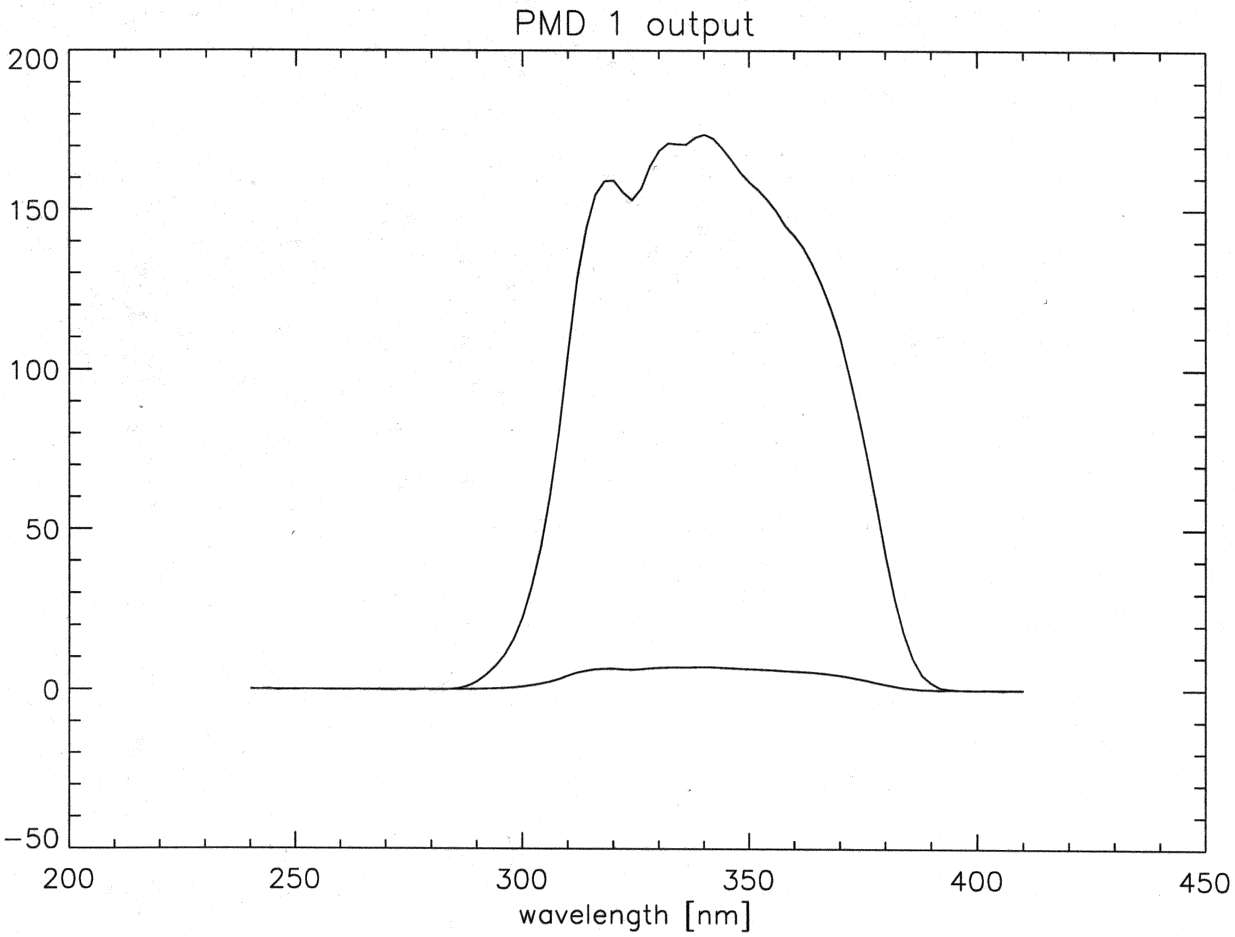

Channel: 7
2.5x10^6
2.0x10^6
1.5x10^6
1.0x10^6
5.0x10^5
0
0
200
400
600
800
1000
1200


Channel: 8
2.5x10^6
2.0x10^6
1.5x10^6
1.0x10^6
5.0x10^5
0
0
200
400
600
800
1000
1200


Channel: PMDs
10000
8000
6000
4000
2000
0
0
5
10
15


File: /disk1/scia/DATA-DIR/XSI-UV-1/2/scia_22081998_134758049.egse_ltf.mp350.avg.cal.ps
Date: Sat Aug 22 18:35:52 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/XSI-UV-1/2/scia_22081998_134758049.egse_itf.mp350.std.col.ps
Date: Sat Aug 22 18:35:52 1998
TNO-TPD


PMD 1 output
200
150
100
50
0
−50
200
250
300
350
400
450
wavelength [nm]

Formal Run of Measurement

(Measurement ID) XI - 1

Request for Actual Status		(cross out entries that are **not** requested.)
Request for Modification	X	(fill in only entries to be modified)
Request for Run	X	(no entries = run based on actual default settings)

Scanner Positions

Azimuth	+45.00	deg
Elevation	-45.00	deg

Timeline for each Data Acquisition Period during Measurement

change Fact. rep.

	1	2	3	4	5	6	7	8	9	10
State ID	17									
Repetitions	1									

State Parameters for States used in Timeline (State ID must be given)

Channel	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding
1a	64	1						
1b	64	1						
2b	64	1						
2a	64	1						
3	0,5	64						
4	64	1						
5	64	1						
6	16	4						
7	2	32						
8	2	32						
State ID	17							

Step 19.1

short repetitions

€

Stimuli Settings for Existing Blocks in Measurement

Block No	Stimuli Setup ID	PPC [deg]	Polarizer [deg]	Shutter open/close	Acquisition Time [s]	Lambda [nm] Start	Stop	Step	Repetition Factor	Message	OS Setup Time [s]
1	1	0	85,4	Close	1	240	240	0	1	DU1	8
2	1	0	85,4	Open	1	240	240	0	1	MP~	8
3	1	0	85,4	Open	1	242	410	2	1	MP~	3
4	1	0	85,4	Close	1	240	410	0	1	DU2	8

Measurement Data Description

Test Purpose	
Remark	UID 10
Data Directory	023_13.43.16_XI_1

Signatures

	Date	Signature
Issued	22-8-98	
< Performed	22.8.98	

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	Dion Oude Lansink 22-8-'98	
	What's the name of the (main) data input files generated by the EGSE? (*.dat)	Scia_22081998_134758049	(A)
	Setup a three-window configuration on your SUN.		see course descr.

Cnstr directory	`cd ~/DATA-DIR/XSI-UV-I/ ;`
	`ls -l`
	highest number in directory?
	New directory: `mkdir <B+1>`
	`ls -l`
	What's now the highest number in directory?
	<C> should be <B> + 1
	directory name is:
		1
		
		2
		(Y) / N
		~/DATA-DIR/XSI-UV-I/<C>
			Note: In window DATA-DIR
			(B)
			
			(C)
			
			(DIR-NAME)

Copy data	See Analysis sheet: Transfer Data File	(Y) / N	In DATA-DIR window
Cnstr EGSE_LTF	`cal_raw2ltf .` (Error messages are not necessarily fatal; check with SOLAN --in solan window-- whether output file is okay: there should be a signal present, and `dremark1` labels should be filled) `ls -l *.egse_ltf` What's the name of the egse_ltf file <D> should be <A>.egse_ltf	 9 (Y) / N	Note: In window DATA-DIR; ***don't forget the dot !!!;*** *May take more than 15 mins.* (D)
Cnstr CAL files	`idl run_fastaverscia` (and select file <D> when asked)		Note: In window IDL
Check CAL files	Dark files: `ls -l *du*.cal` size: Monochromator ouput:	 146 kb 8	In DATA-DIR Window should be approx 150Kb

`ls -l *mp<lambda>*.avg.cal`
(where lambda is a wavelength indicator)

should be approx 150Kb

size: 146 kb
lambda ranges from: 240
to: 410
Note: all files should be present, if not:
(a) Check file <D> using SOLAN and check whether `dremark1` labels are present.
(b) Check if enough disk space is available (Unix command `df -k | more`).

Print postscript

Pick a `*.m*<lambda>.avg.cal` file.
`lpr -P<printer> *.avg.cal.ps`
Contents dark file `*du.avg.cal.ps` should be approx. constant within channels: (Y) / N
Contents of a file `*mp<lambda>.avg.cal.ps` should contain a peak signal in corresponding channel (cannot be seen in channels 7 and 8): (Y) / N
Contents of `*mp<lambda>.rel_std.cal.ps` files should be smaller than 0.01 (pixel 300 -- 800) for all channels. If not, value is: Y / (N) → repetition factors were 1 => rel_std cannot be calculated

Add postscript images to logbook, done (Y) / N

Print logfiles

`lpr -P<printer> *.log`
Add logfiles to logbook, done (Y) / N

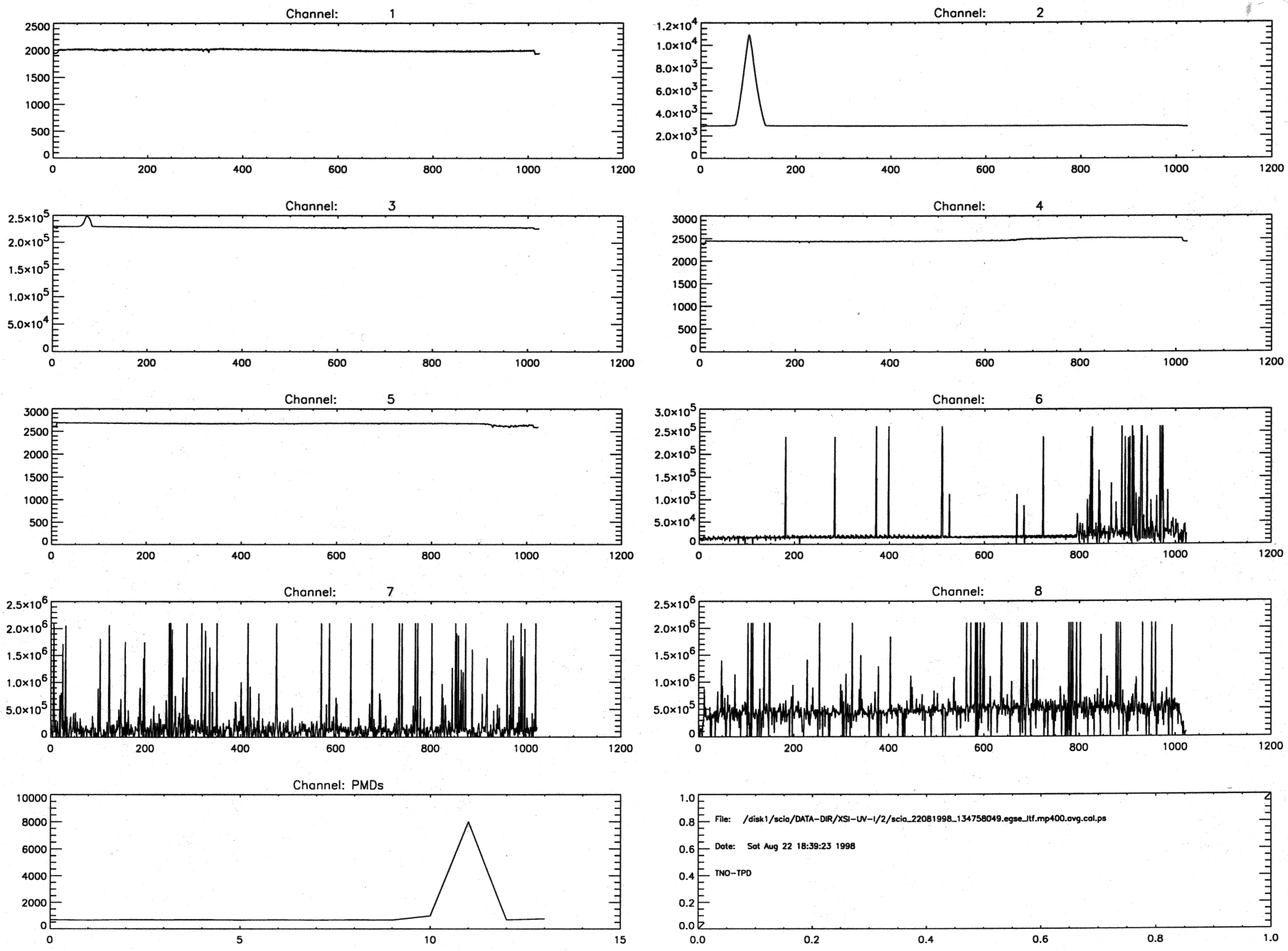
Xsi processing

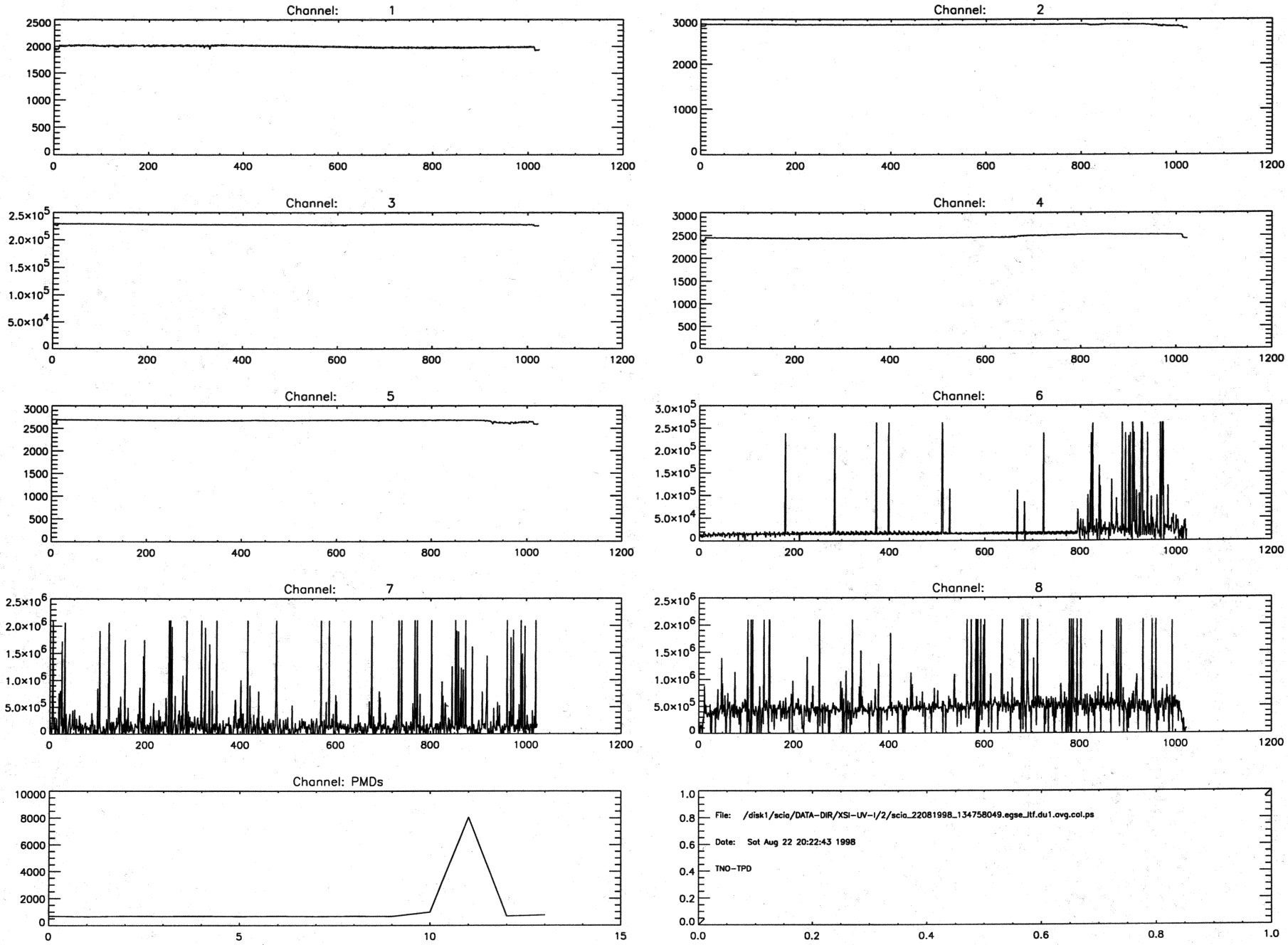
see instructions control file

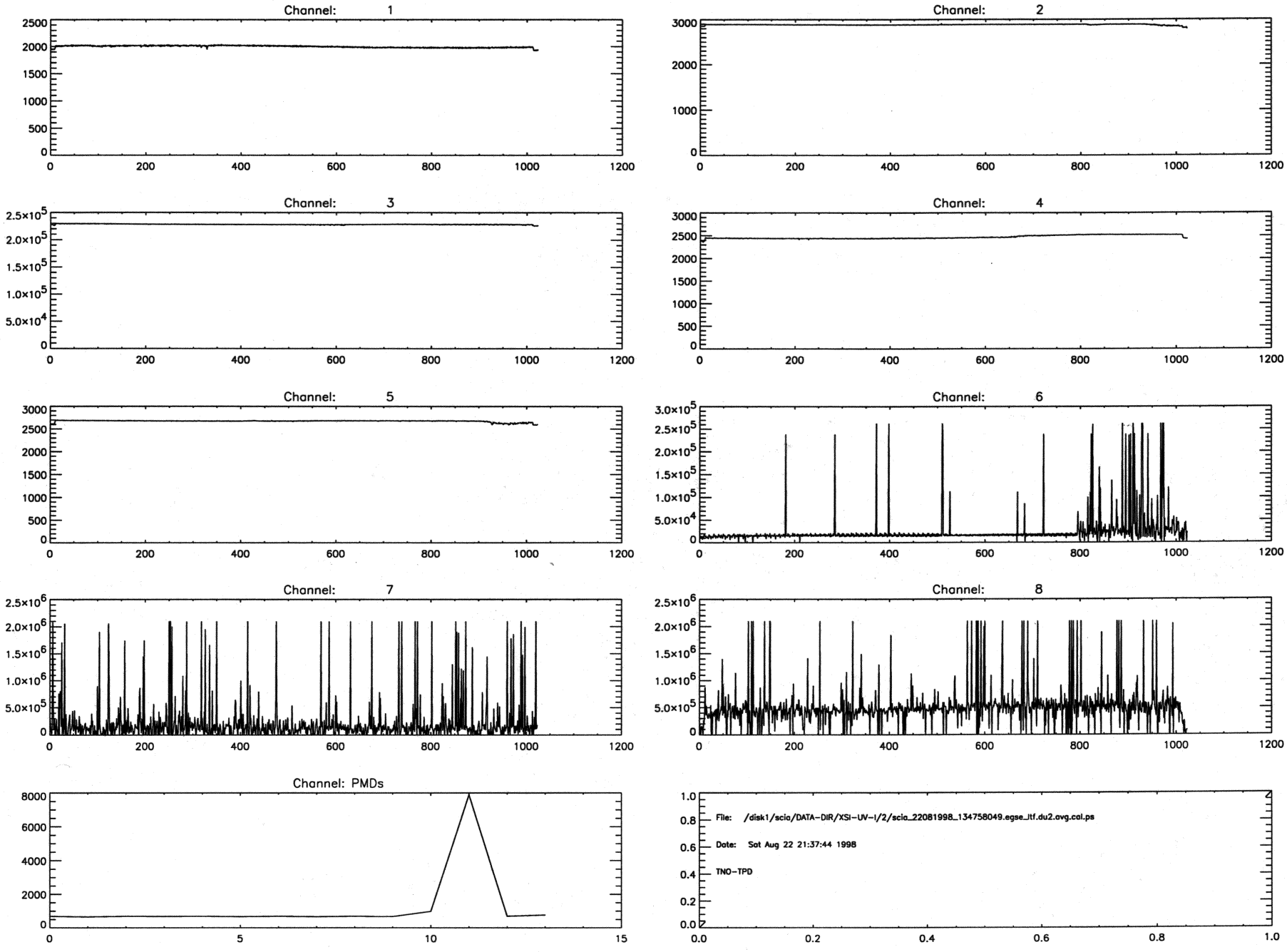
Control file

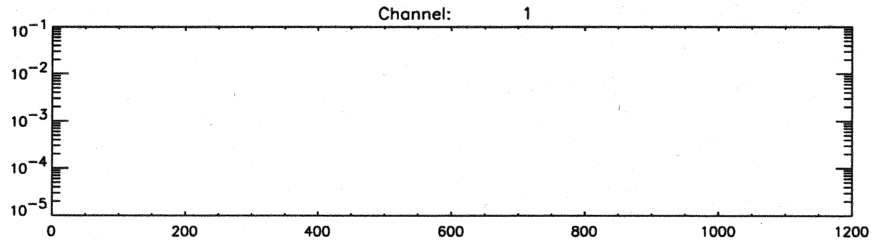
Construct `control-file` in dir. <DIR-NAME> where each line is of the form `<l1> <l2> <darkname>` (meaning that file `<darkname>` is to be used as dark measurement for monochromator outputs with wavelength `M` such that `<l1> <= M <= <l2>`).
`lpr -P<printer> control-file`

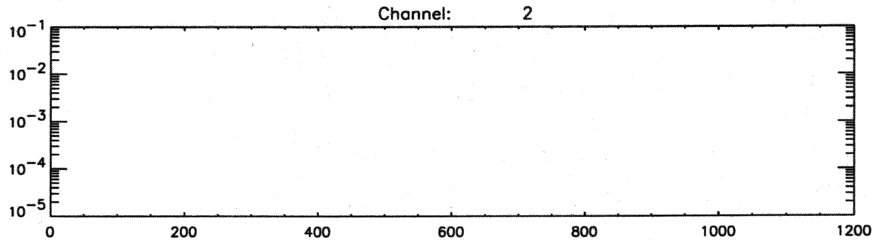
	Add `control-file` to logbook, done	Y / N	
Run XSI	`idl do_xsi`		In IDL window
Check XSI	`ls -l *.data` Size of file <D>.du1.cal.data	74 kb	In DATA-DIR window
Check XSI visually	`idl do_xsi_processing`		In IDL window
	`lpr -P<printer> *.data.ps` Value of XSI resembles expected XSI (see [Predicted PFMcalibration results])?	Y / N	In DATA-DIR window
	Add postscript images to logbook, done	Y / N	
Print logfiles	`lpr -P<printer> *.data.log` Add logfiles to logbook, done	Y / N	
Back up	Create 3 sets of backup CDs of directory <DIR-NAME> (One CD has a capacity of 600 Mbytes, the UNIX command `/usr/bin/du -k .` gives the number of kilo bytes in the current directory). Name of backup CDs	220898 F	See analysis sheet BackUp
Sign:	Name Date and time Signature	Dion Oude Lansink 22-8-98 20.30 UTC	

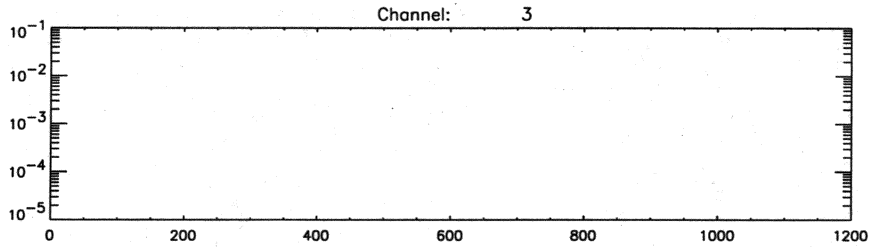

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/XSI-UV-1/2/scia_22081998_134758049.egse_ltf.mp400.avg.cal.ps
Date: Sat Aug 22 18:39:23 1998
TNO-TPD

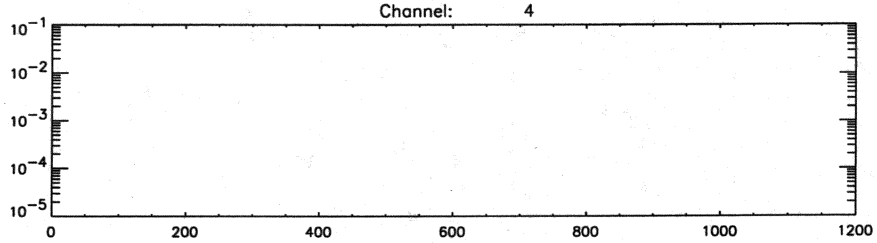

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/XSI-UV-1/2/scia_22081998_134758049.egse_itf.du1.ovg.col.ps
Date: Sat Aug 22 20:22:43 1998
TNO-TPD

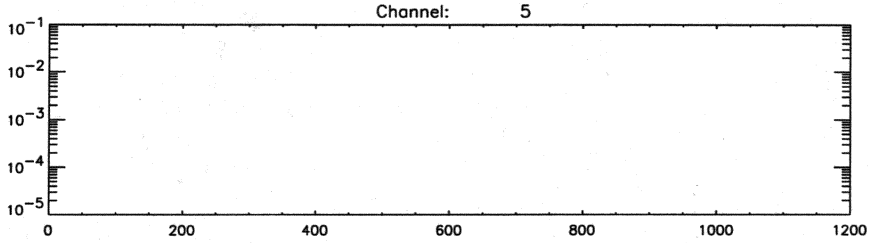

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/XSI-UV-1/2/scia_22081998_134758049.egse_itf.du2.avg.cal.ps
Date: Sat Aug 22 21:37:44 1998
TNO-TPD

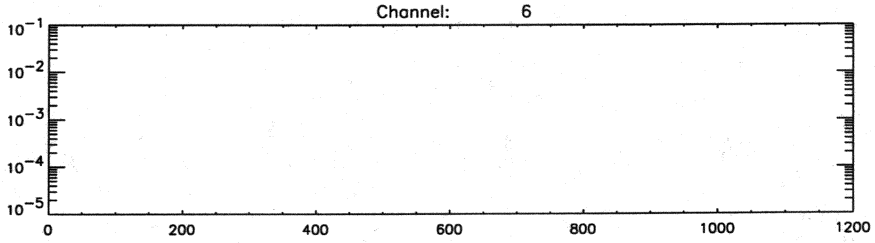

Channel: 1
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

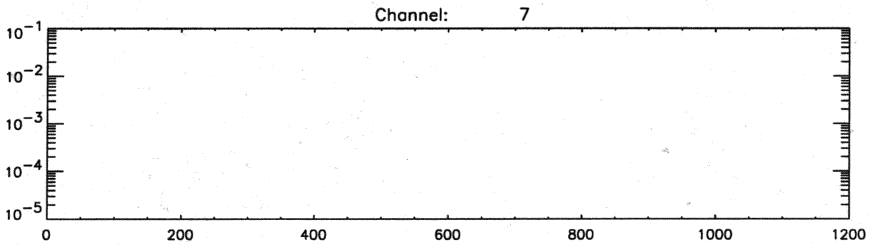

Channel: 2
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

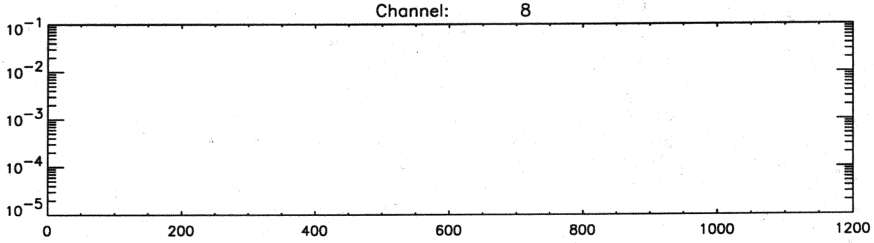

Channel: 3
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

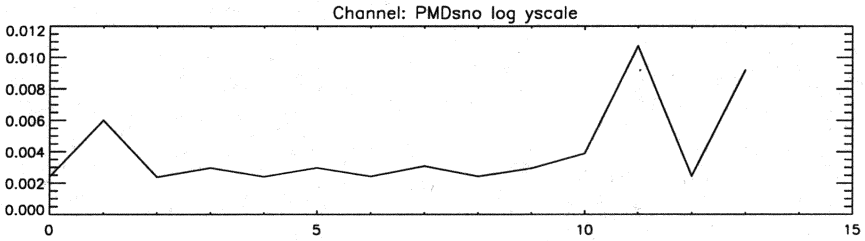

Channel: 4
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

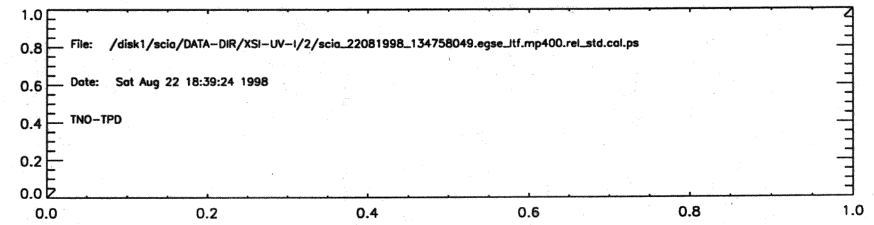

Channel: 5
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: 6
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: 7
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: 8
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

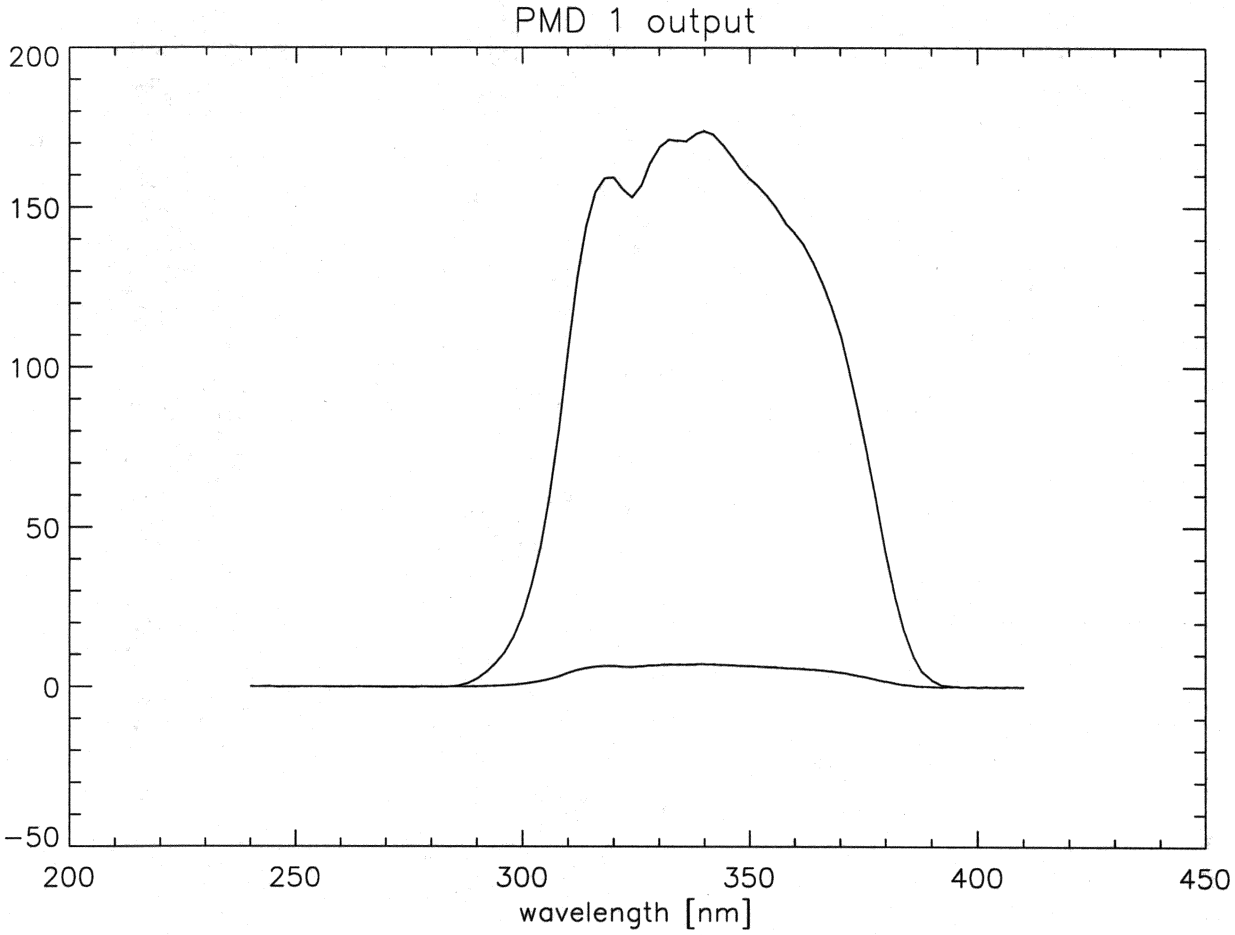

Channel: PMDsno log yscale
0.012
0.010
0.008
0.006
0.004
0.002
0.000
0
5
10
15

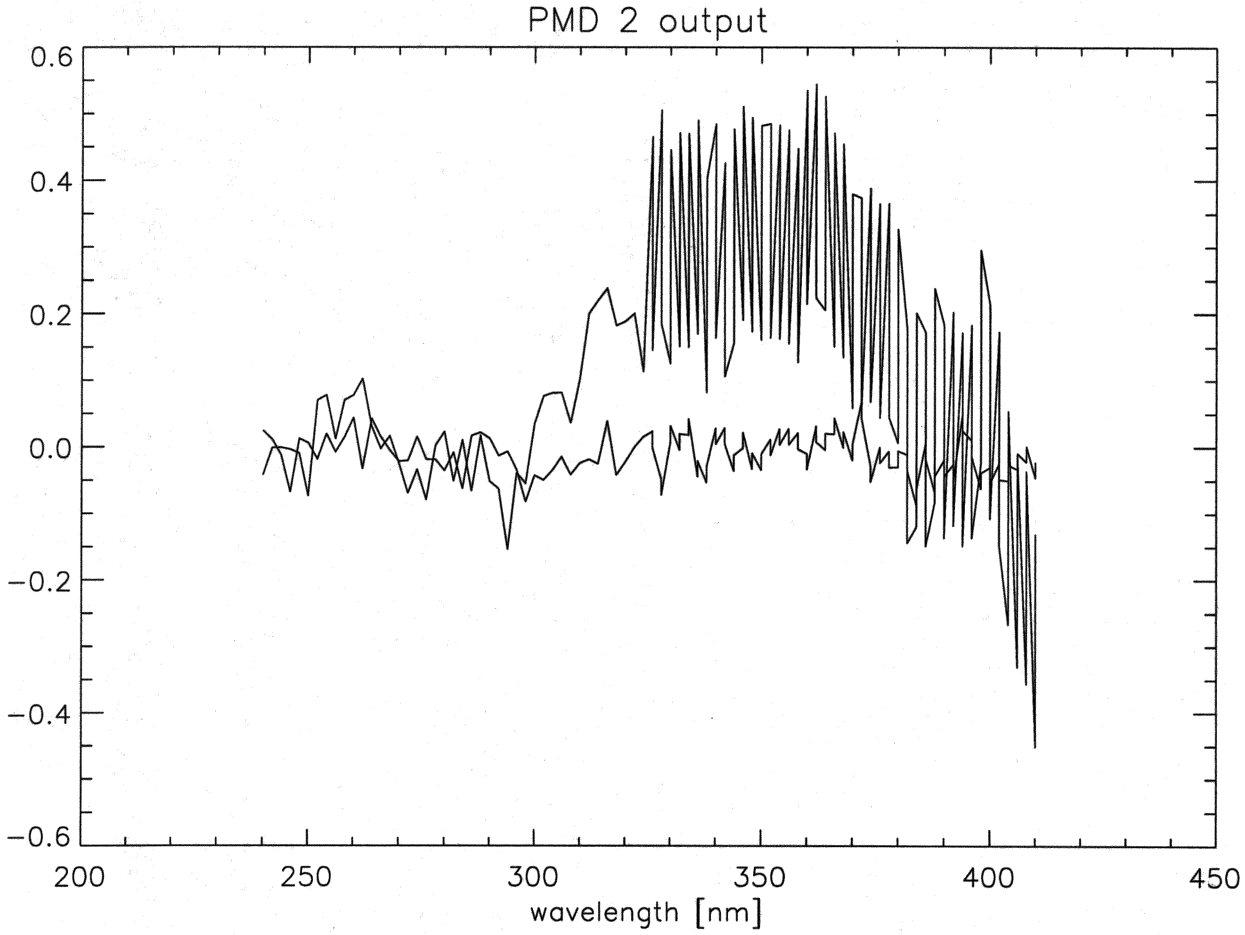

File: /disk1/scia/DATA-DIR/XSI-UV-1/2/scia_22081998_134758049.egse_itf.mp400.rel_std.cal.ps
Date: Sat Aug 22 18:39:24 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

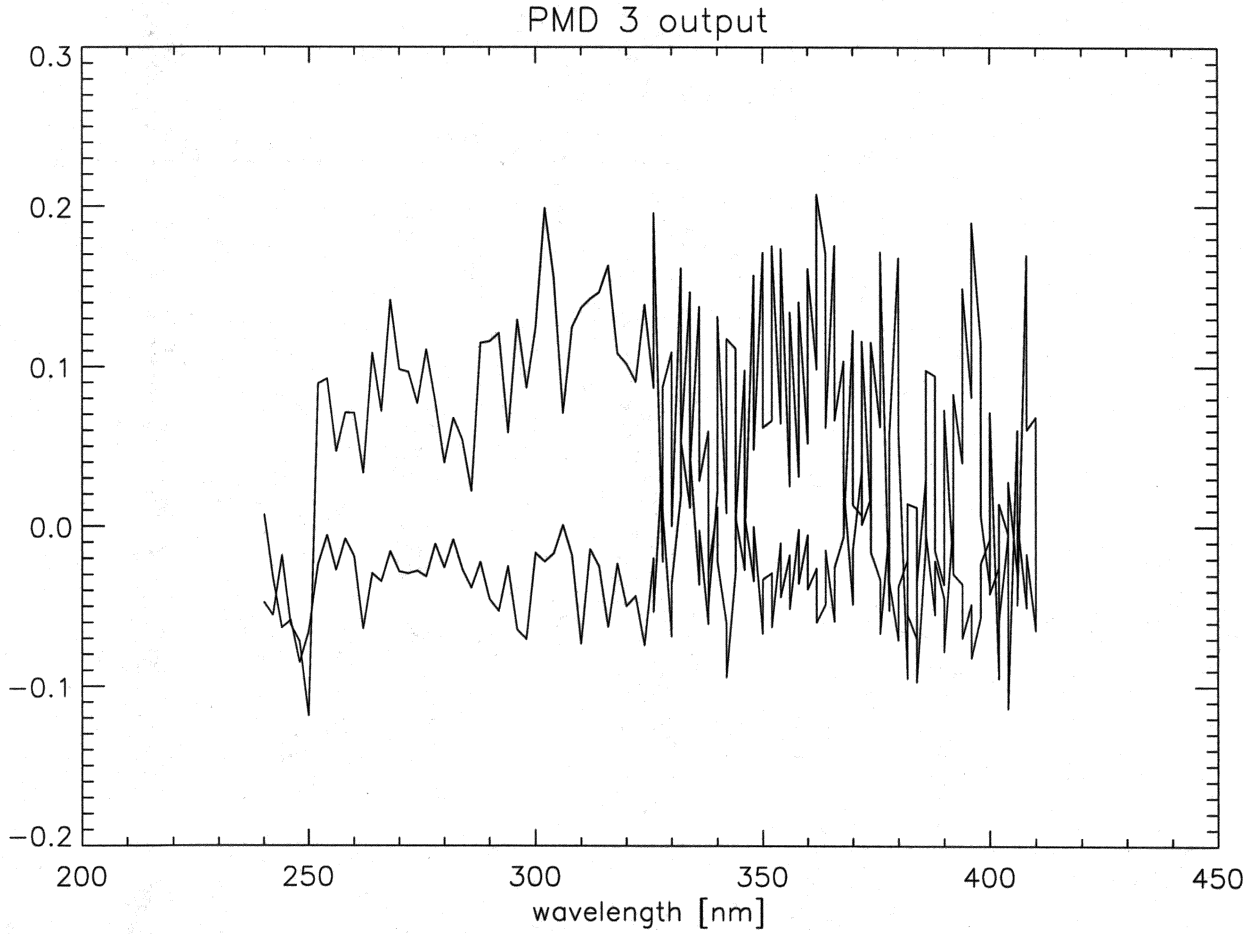
```
time      = Sat Aug 22 18:39:24 1998
batch     = mp400
Start TOD = Sat 22-Aug-98 15:58:06
End   TOD = Sat 22-Aug-98 15:59:43
Processing= computation of average, standard dev. and rel.standard dev.
time      = Sat Aug 22 20:33:55 1998
batch     = mp400
Start TOD = Sat 22-Aug-98 15:58:06
End   TOD = Sat 22-Aug-98 15:59:43
Processing= computation of average, standard dev. and rel.standard dev.
```

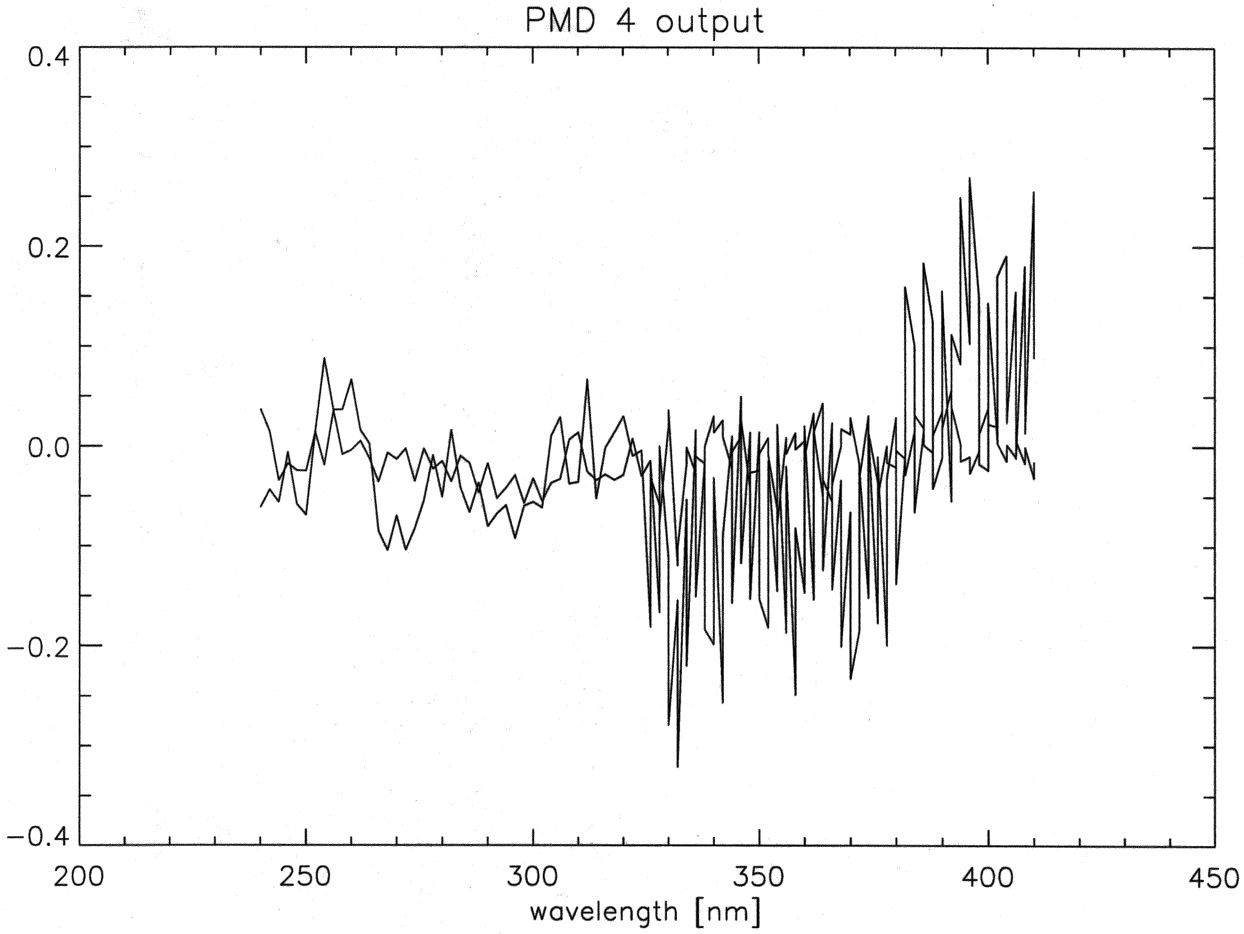
```
240     325     scia_22081998_134758049.egse_ltf.du1.avg.cal
326     410     scia_22081998_134758049.egse_ltf.du2.avg.cal
```

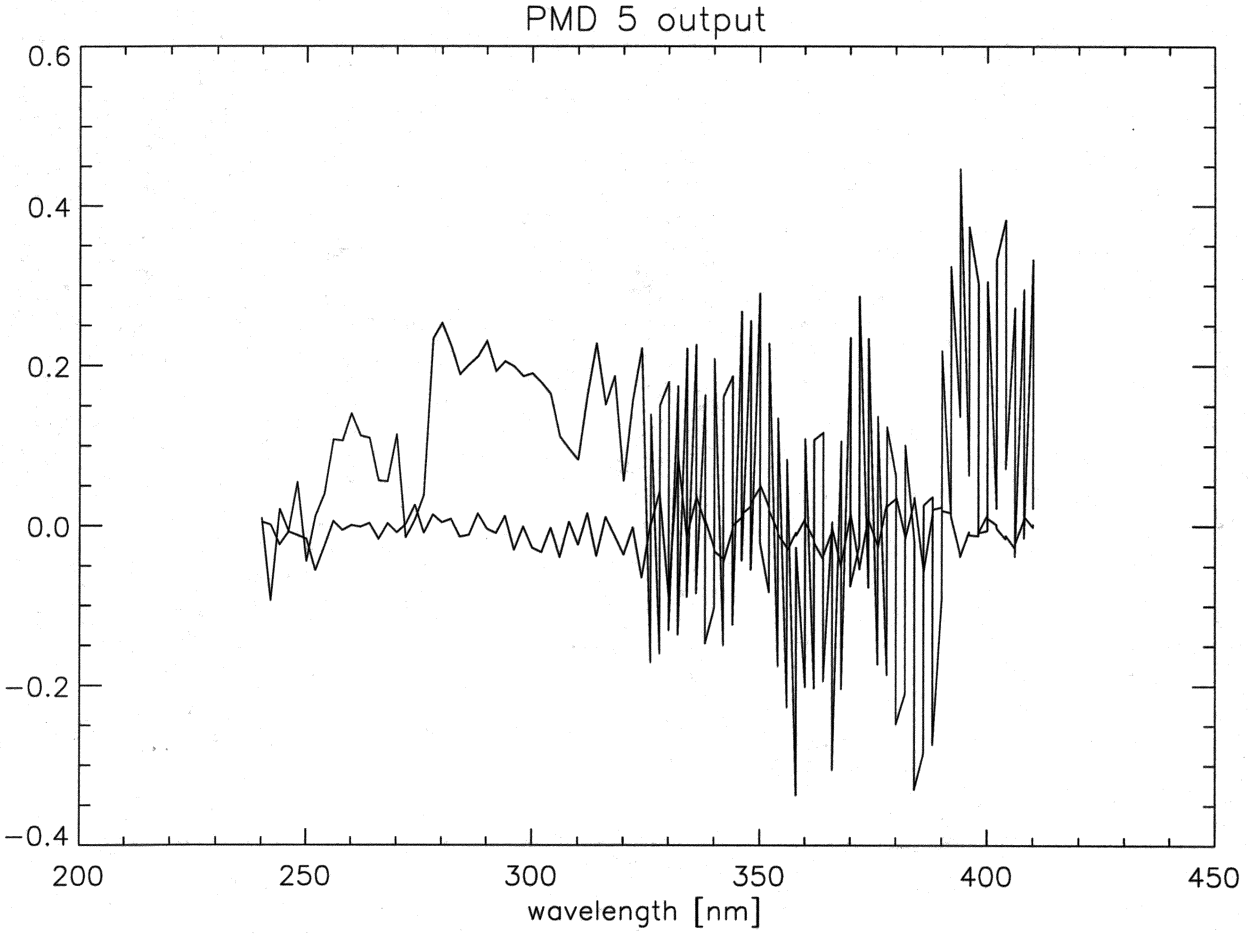
CONTROL-FILE

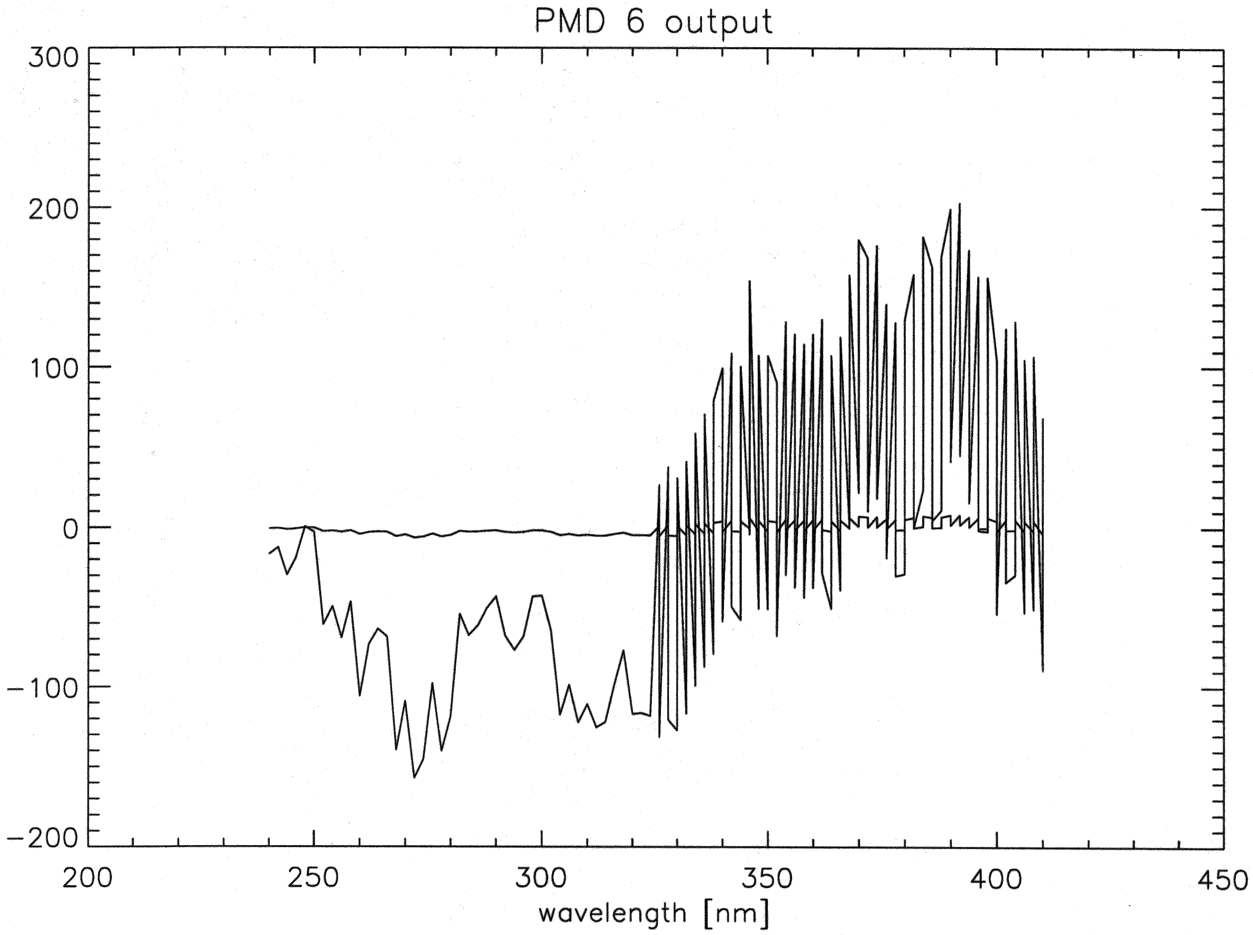

PMD 1 output
200
150
100
50
0
−50
200
250
300
350
400
450
wavelength [nm]

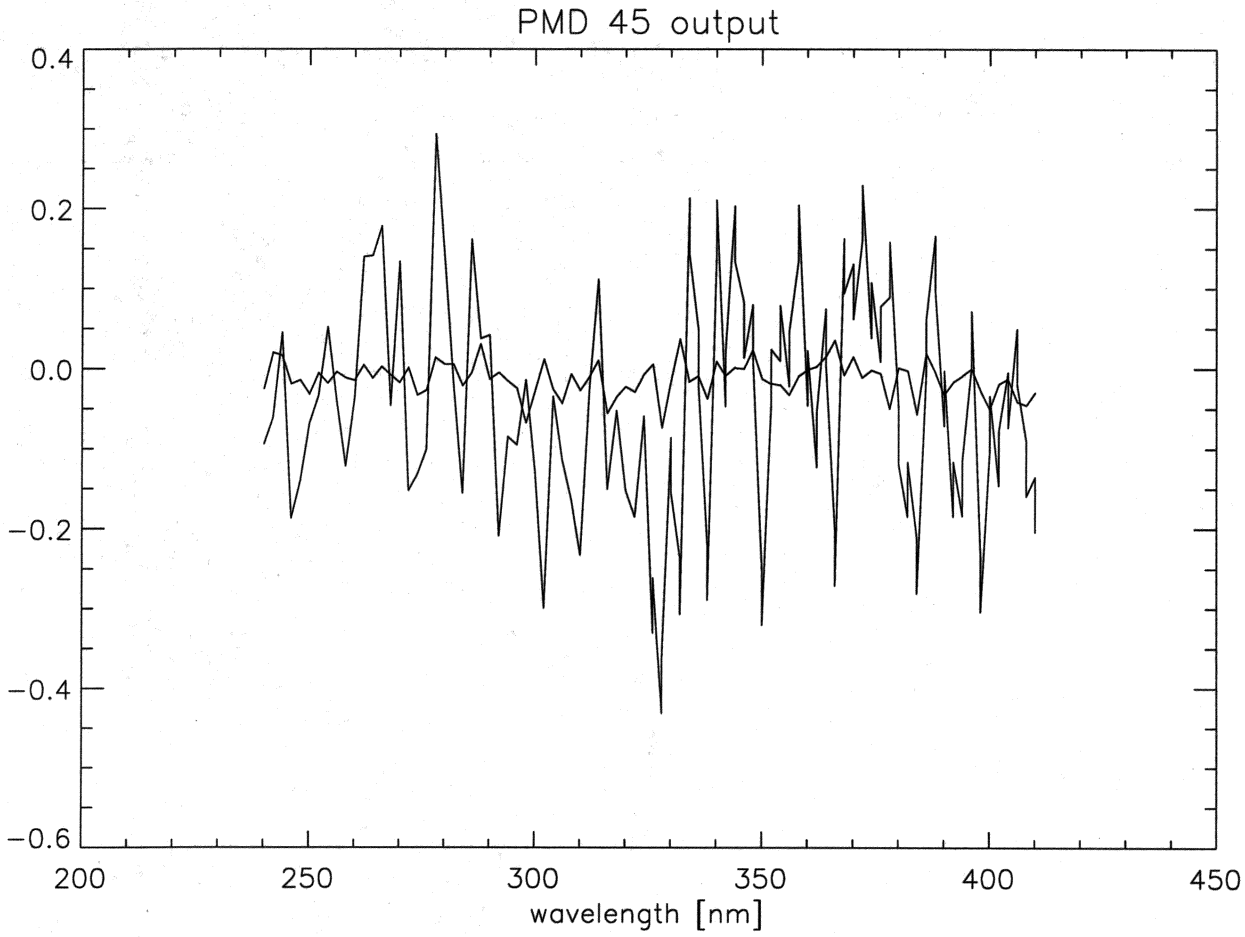

PMD 2 output
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
200
250
300
350
400
450
wavelength [nm]

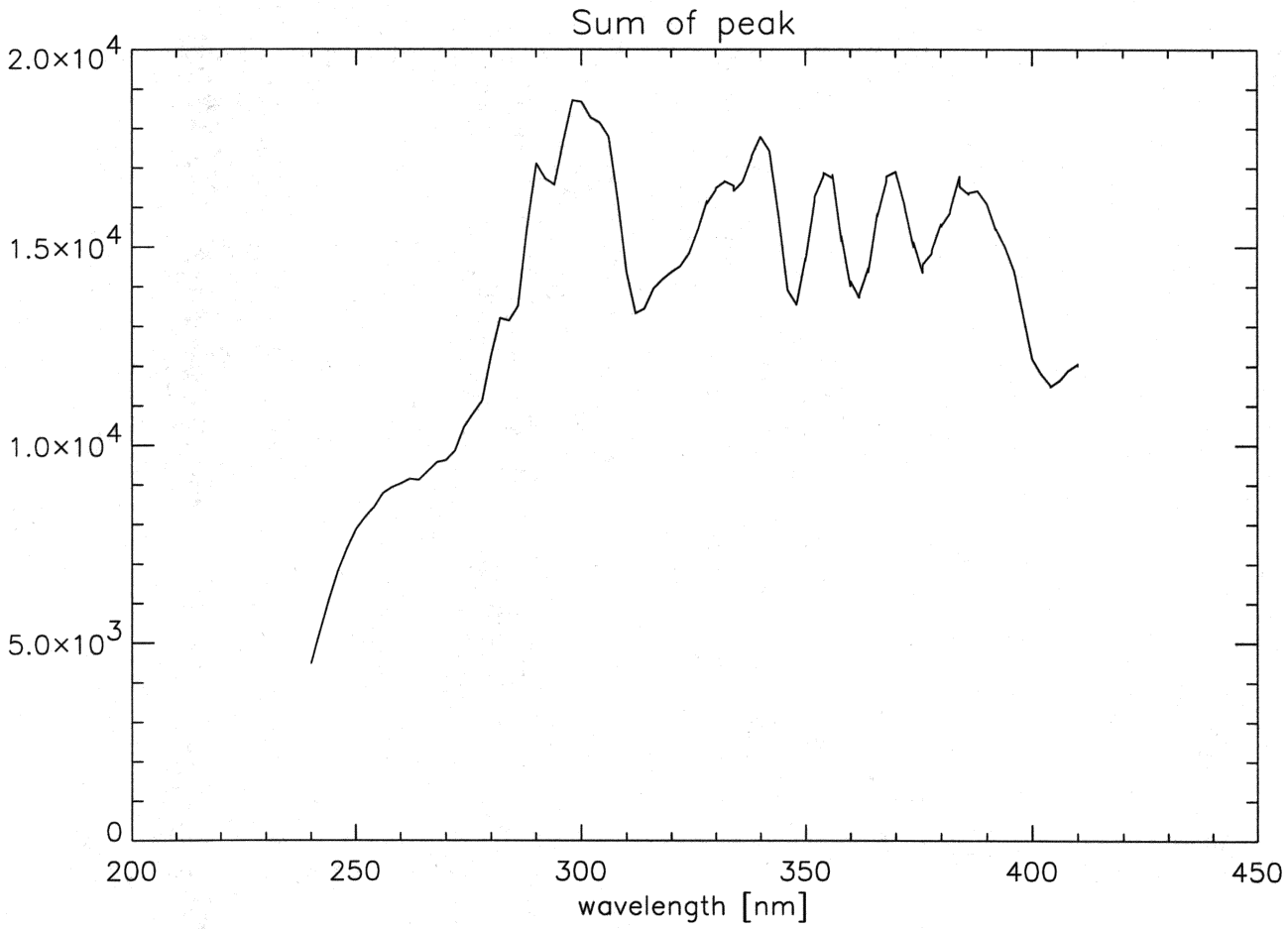

PMD 3 output
0.3
0.2
0.1
0.0
−0.1
−0.2
200
250
300
350
400
450
wavelength [nm]

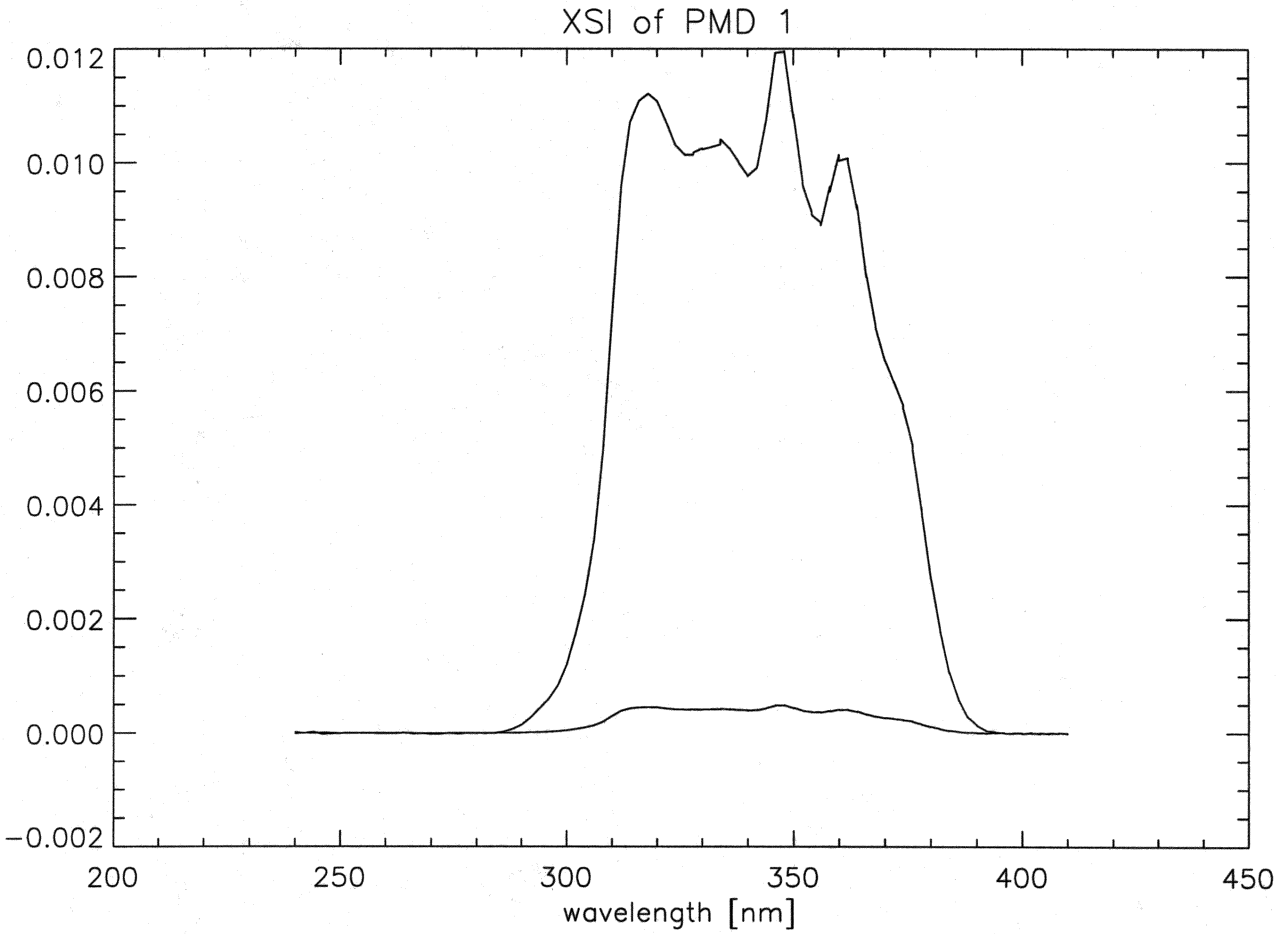

PMD 4 output
0.4
0.2
0.0
−0.2
−0.4
200
250
300
350
400
450
wavelength [nm]

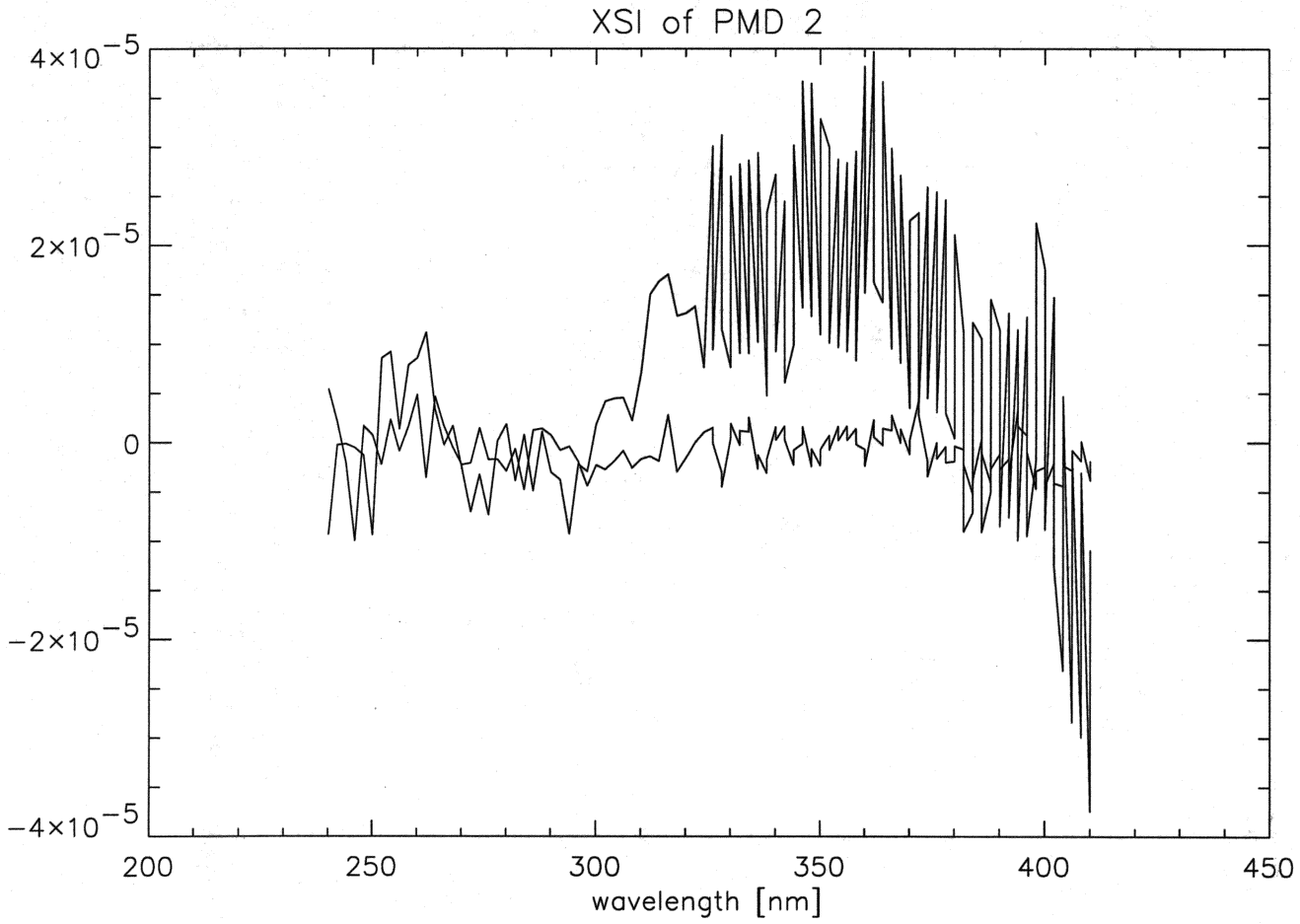

PMD 5 output
0.6
0.4
0.2
0.0
−0.2
−0.4
200
250
300
350
400
450
wavelength [nm]

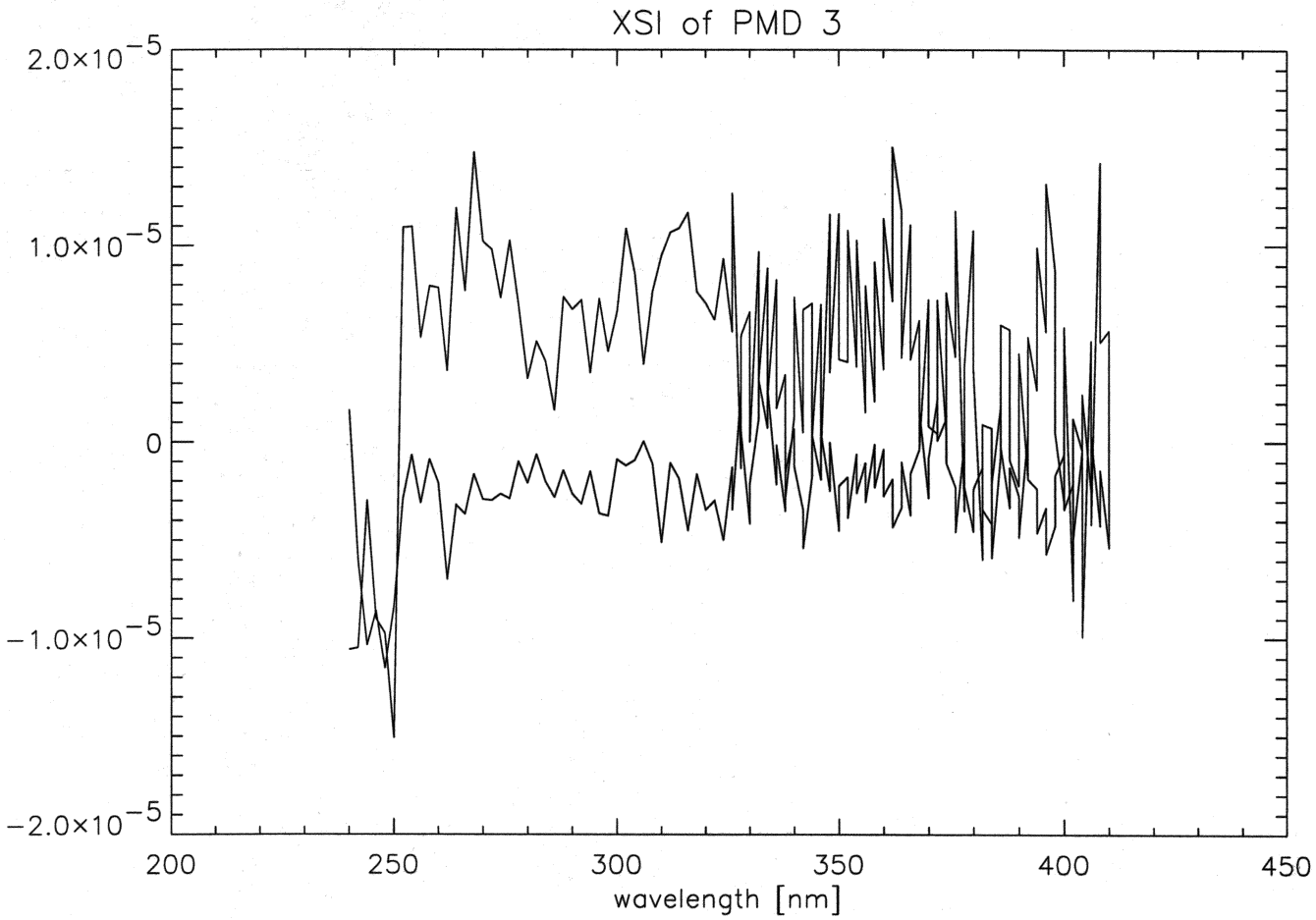

PMD 6 output
300
200
100
0
−100
−200
200
250
300
350
400
450
wavelength [nm]

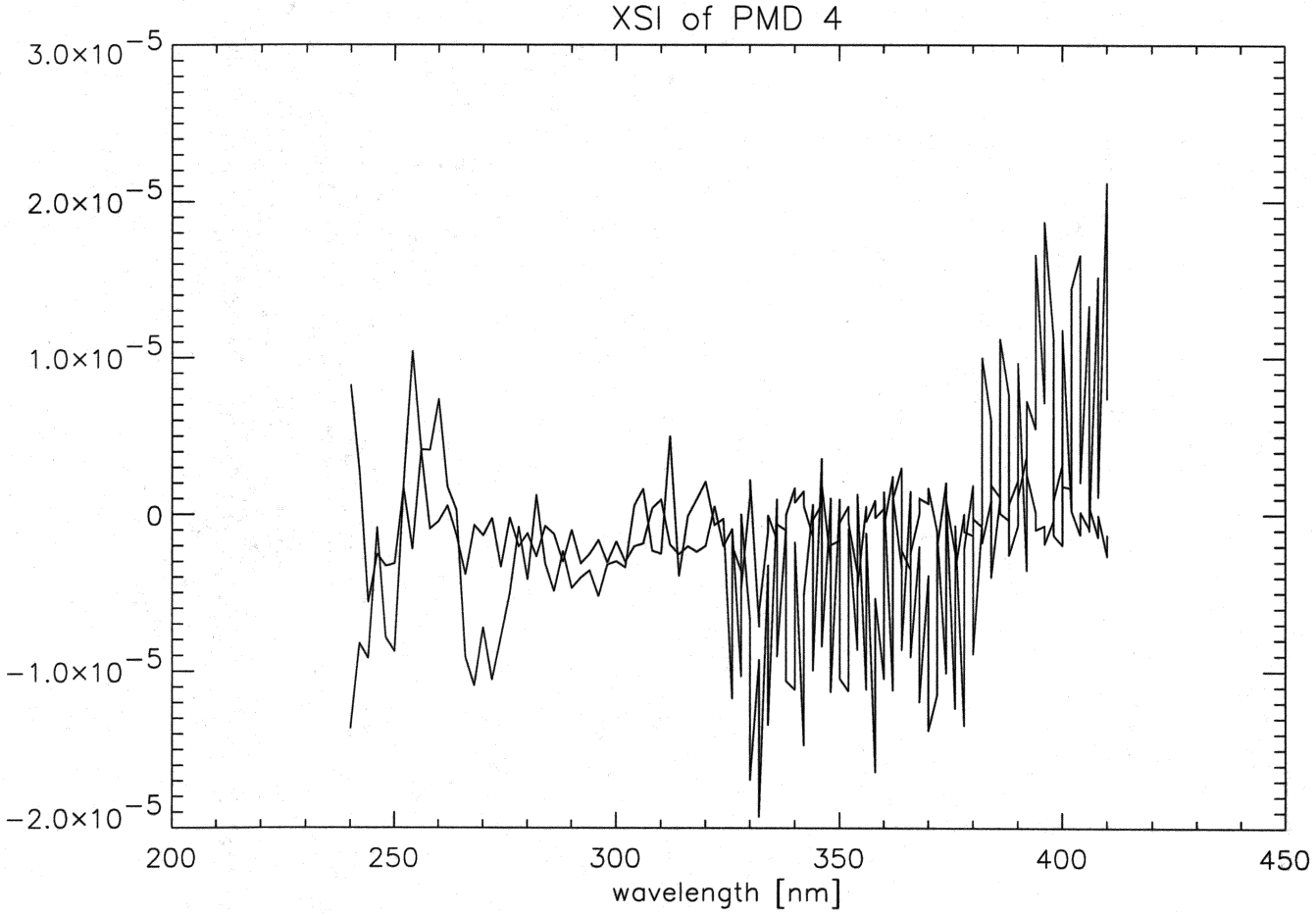

PMD 45 output
0.4
0.2
0.0
−0.2
−0.4
−0.6
200
250
300
350
400
450
wavelength [nm]

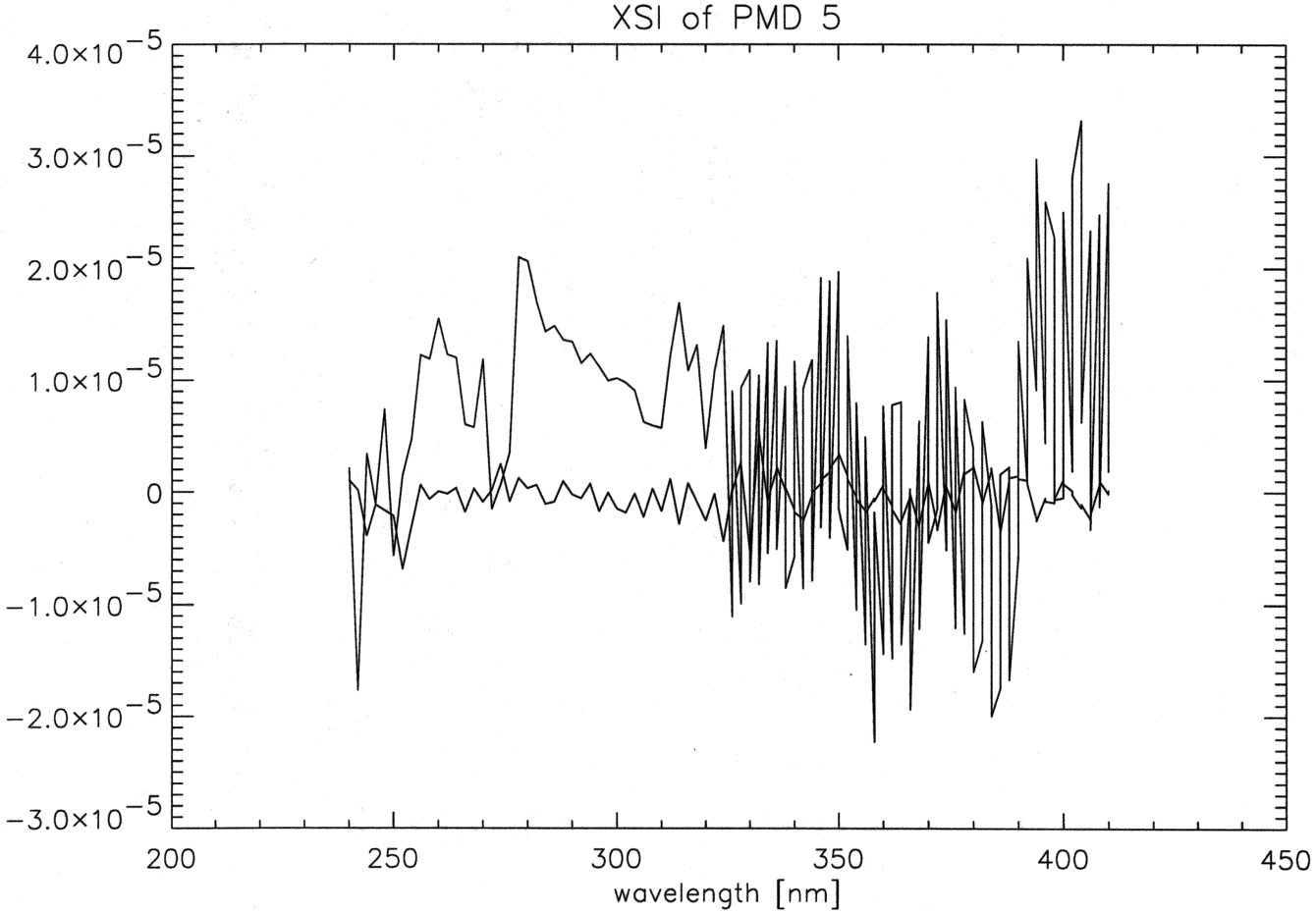

Sum of peak
2.0×10^4
1.5×10^4
1.0×10^4
5.0×10^3
0
200
250
300
350
400
450
wavelength [nm]

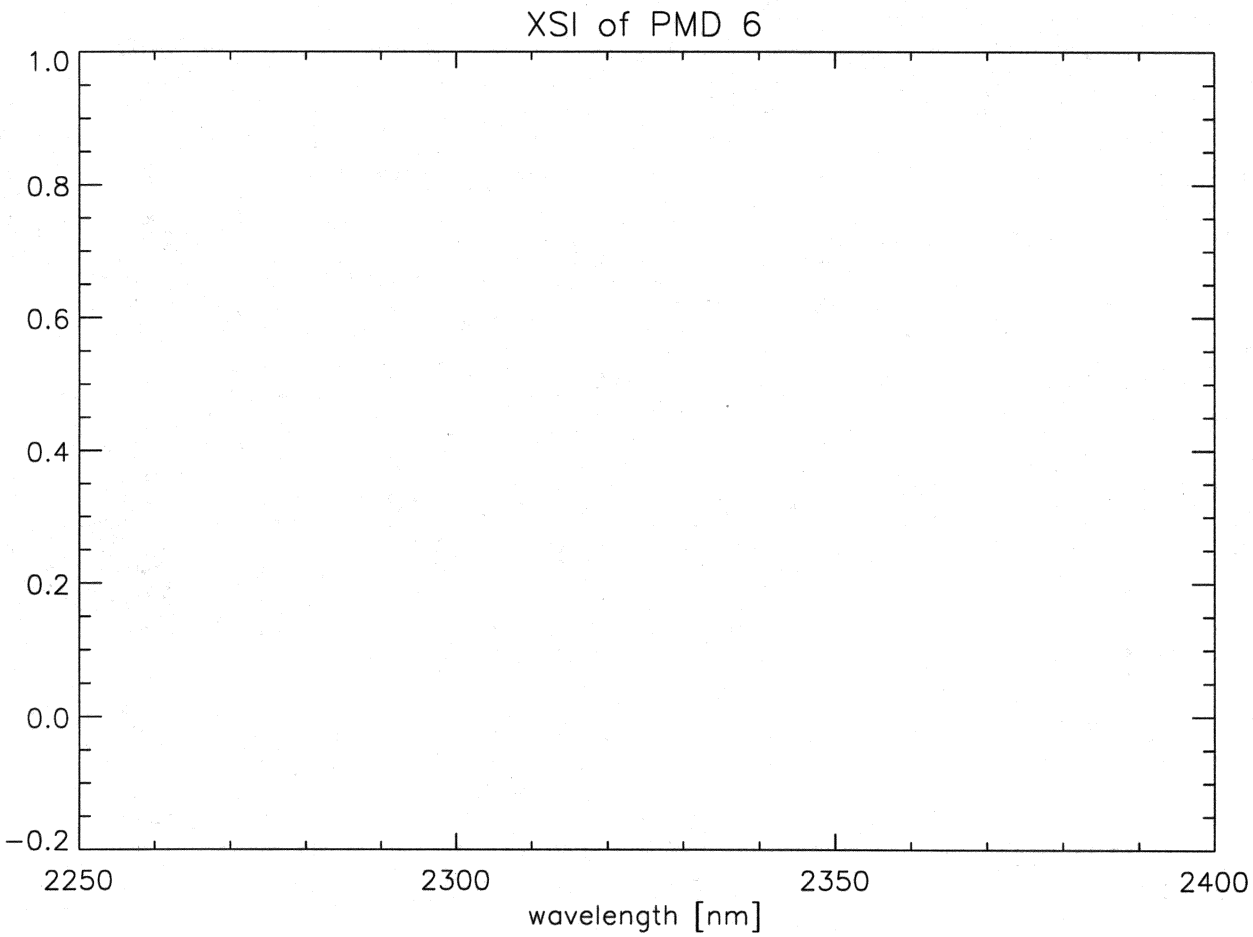

XSI of PMD 1
0.012
0.010
0.008
0.006
0.004
0.002
0.000
−0.002
200
250
300
350
400
450
wavelength [nm]

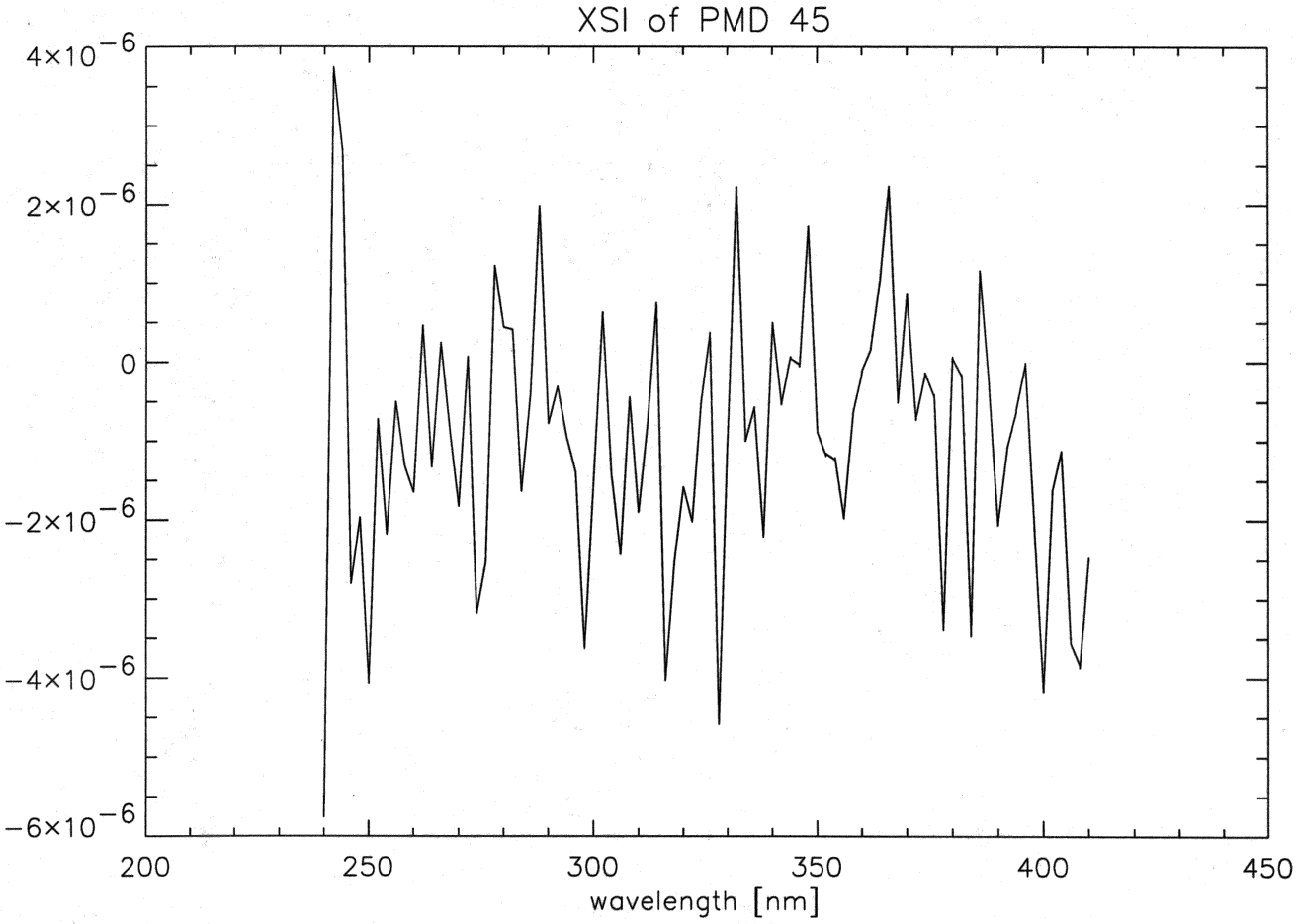

XSI of PMD 2
4×10−5
2×10−5
0
−2×10−5
−4×10−5
200
250
300
350
400
450
wavelength [nm]


XSI of PMD 3
2.0×10−5
1.0×10−5
0
−1.0×10−5
−2.0×10−5
200
250
300
350
400
450
wavelength [nm]


XSI of PMD 4
3.0×10−5
2.0×10−5
1.0×10−5
0
−1.0×10−5
−2.0×10−5
200
250
300
350
400
450
wavelength [nm]


XSI of PMD 5
4.0×10−5
3.0×10−5
2.0×10−5
1.0×10−5
0
−1.0×10−5
−2.0×10−5
−3.0×10−5
200
250
300
350
400
450
wavelength [nm]


XSI of PMD 6
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
2250
2300
2350
2400
wavelength [nm]


XSI of PMD 45
4×10−6
2×10−6
0
−2×10−6
−4×10−6
−6×10−6
200
250
300
350
400
450
wavelength [nm]

```
Version:  0.1
Input files:  /disk1/scia/DATA-DIR/XSI-UV-I/2/controlfile
 scia_22081998_134758049.egse_ltf.du1.avg.cal
 scia_22081998_134758049.egse_ltf.du2.avg.cal
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp240.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp242.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp244.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp246.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp248.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp250.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp252.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp254.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp256.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp258.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp260.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp262.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp264.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp266.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp268.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp270.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp272.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp274.avg.ca
   lisk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp276.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp278.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp280.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp282.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp284.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp286.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp288.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp290.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp292.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp294.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp296.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp298.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp300.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp302.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp304.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp306.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp308.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp310.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp312.avg.ca
   lisk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp314.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp316.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp318.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp320.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp322.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp324.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp326.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp328.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp330.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp332.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp334.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp336.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp338.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp340.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp342.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp344.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp346.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp348.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp350.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp352.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp354.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp356.avg.ca
 /disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp358.avg.ca
```

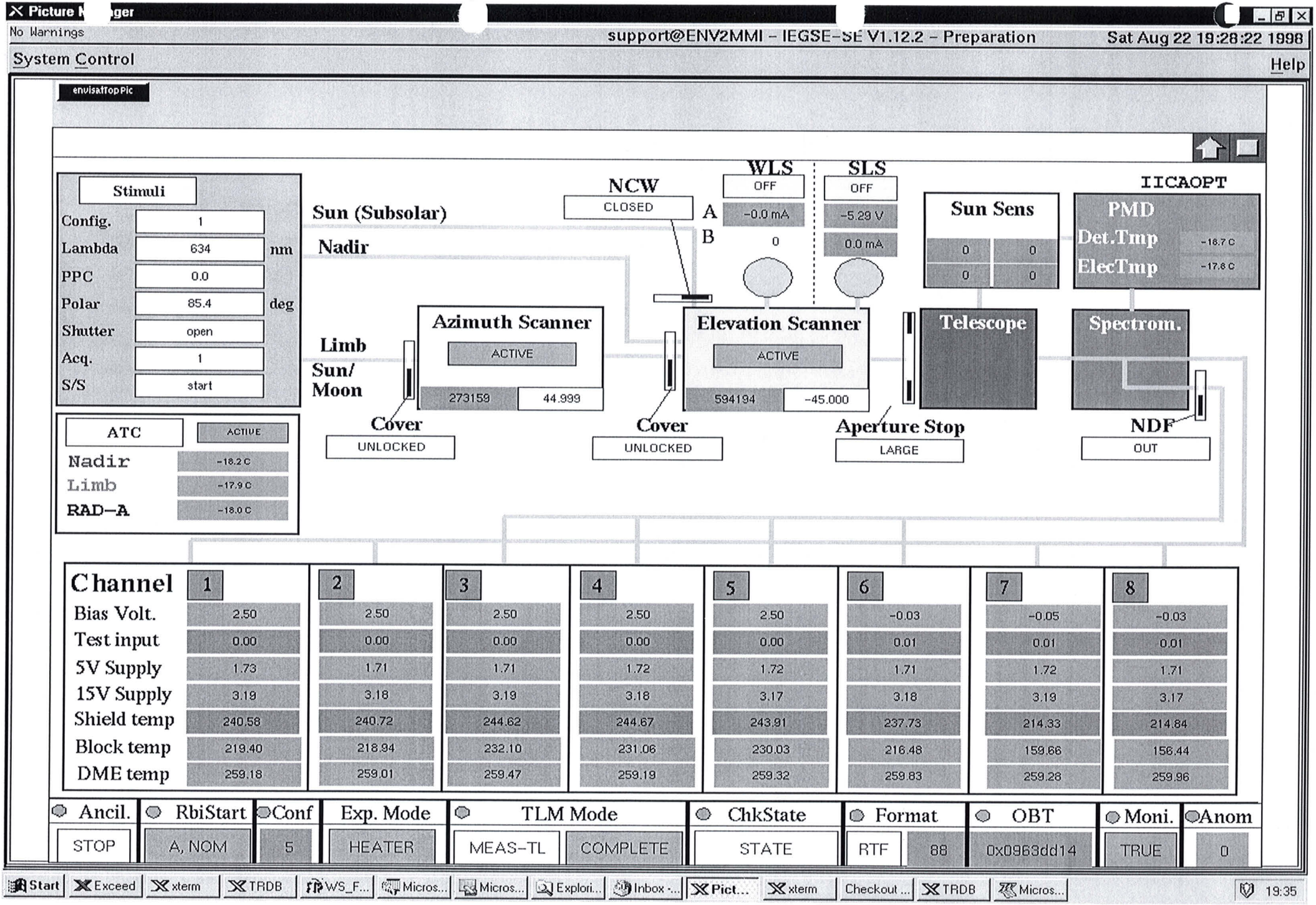
/disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp360.avg.ca
/disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp362.avg.ca
/disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp364.avg.ca
/disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp366.avg.ca
/disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp368.avg.ca
/disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp370.avg.ca
/disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp372.avg.ca
/disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp374.avg.ca
/disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp376.avg.ca
/disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp378.avg.ca
/disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp380.avg.ca
/disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp382.avg.ca
/disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp384.avg.ca
/disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp386.avg.ca
/disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp388.avg.ca
/disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp390.avg.ca
/disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp392.avg.ca
/disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp394.avg.ca
/disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp396.avg.ca
/disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp398.avg.ca
/disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp400.avg.ca
/disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp402.avg.ca
isk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp404.avg.ca
/disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp406.avg.ca
/disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp408.avg.ca
/disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.mp410.avg.ca
Processing:
Computation of XSI
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/200898/ppg.cal
ETALON correction filename used: /disk1/scia/DATA-DIR/CORR/200898/etalon.cal
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/200898/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/200898/wl.data
STRAYLIGHT correction filename used: /disk1/scia/DATA-DIR/CORR/200898/stray.da
Processing time: Sat Aug 22 22:09:04 1998
Output file name:
/disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.du1.avg.p1.ca

LOG SHEET SCHIAMACHY CALIBRATION

Date/Time	Description of action	Measurement directory
22/8/98	Mte Plate, PJ Nyssen, L v/d Speck. Proceed with Xi-4. Xi-3 analysis was finished. Xi-4 uses the QTH lamp + Bentham powersupply The QTH lamp can not be selected remotely. This has to be done in "local" mode at the optical stimuli PC. It appeared that the QTH lamp could not be selected with the stimulus in "low Radiance stimulator + polarizer" configuration. Solenoid used for lamp selection malfunctioned. Whole set-up was shut down and restarted. Same problem. No change. It was found that the lamp type can be selected with the stimulus in "low Radiance stimulator + monochromator + polarizer" configuration. The solenoid works ok in this configuration. QTH lamp was selected. Orientation solenoid ok. Afterwards the configuration was changed again to "low Rad. stimulator + polarizer". QTH lamp remains selected. Stimuli mode was reset to "Remote file". FTP connection was checked using WS_FTP in bootcabon: works ok.	

LOG SHEET SCHIAMACHY CALIBRATION

Date/Time	Description of action	Measurement directory
	→ So always switch to "Low Radiance Stimulator + monochromator + polarizer" to switch from Xe lamp to QTH - lamp and vice versa.	
	→ It was decided to use 1 Supr 311 UV diffuser for all Xi measurements. Exchanging diffusers is difficult in this configuration (newly implemented GT polarizer). Risk of changing GT alignment is too high. Besides the UV Supr 311 diffuser has the highest transmission of all diffusers.	


Picture
No Warnings
support@ENV2MMI - IEGSE-SE V1.12.2 - Preparation
Sat Aug 22 19:28:22 1998
System Control
Help
envisatfopPic
Stimuli
Config. 1
Lambda 634 nm
PPC 0.0
Polar 85.4 deg
Shutter open
Acq. 1
S/S start
Sun (Subsolar)
Nadir
Limb
Sun/
Moon
NCW
CLOSED
WLS
OFF
-0.0 mA
SLS
OFF
-5.29 V
0.0 mA
A
B
0
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -16.7 C
ElecTmp -17.6 C
Azimuth Scanner
ACTIVE
273159 44.999
Elevation Scanner
ACTIVE
594194 -45.000
Telescope
Spectrom.
Cover
UNLOCKED
Cover
UNLOCKED
Aperture Stop
LARGE
NDF
OUT
ATC ACTIVE
Nadir -18.2 C
Limb -17.9 C
RAD-A -18.0 C
Channel 1 2 3 4 5 6 7 8
Bias Volt. 2.50 2.50 2.50 2.50 2.50 -0.03 -0.05 -0.03
Test input 0.00 0.00 0.00 0.00 0.00 0.01 0.01 0.01
5V Supply 1.73 1.71 1.71 1.72 1.72 1.71 1.72 1.71
15V Supply 3.19 3.18 3.19 3.18 3.17 3.18 3.19 3.17
Shield temp 240.58 240.72 244.62 244.67 243.91 237.73 214.33 214.84
Block temp 219.40 218.94 232.10 231.06 230.03 216.48 159.66 156.44
DME temp 259.18 259.01 259.47 259.19 259.32 259.83 259.28 259.96
Ancil. STOP
RbiStart A, NOM
Conf 5
Exp. Mode HEATER
TLM Mode MEAS-TL COMPLETE
ChkState STATE
Format RTF 88
OBT 0x0963dd14
Moni. TRUE
Anom 0
Start
Exceed
xterm
TRDB
WS_F...
Micros...
Micros...
Explori...
Inbox -...
Pict...
xterm
Checkout ...
TRDB
Micros...
19:35

Formal Run of Measurement

(Measurement ID) ~~XI_3~~ XI_4

Request for Actual Status		(cross out entries that are **not** requested.)
Request for Modification	x	(fill in only entries to be modified)
Request for Run	X	(no entries = run based on actual default settings)

Scanner Positions

Azimuth	+45.00	deg
Elevation	−45.00	deg

Timeline for each Data Acquisition Period during Measurement

	1	2	3	4	5	6	7	8	9	10
State ID	19									
Repetitions	1									

changed.

State Parameters for States used in Timeline (State ID must be given)

Channel	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding
1a	64	1						
1b	64	1						
2b	64	1						
2a	64	1						
3	0.5	64						
4	0.25	64						
5	64	1						
6	16	4						
7	2	32						
8	2	32						
State ID	19							

STEP 14.1
'SHORT REPET.

Stimuli Settings for Existing Blocks in Measurement

Block No	Stimuli Setup ID	PPC [deg]	Polarizer [deg]	Shutter open/close	Acquisition Time [s]	Lambda [nm] Start	Stop	Step	Repetition Factor	Message	OS Setup Time [s]
1	1	0	85,4	Close	1	440	440	0	1	DU1	50
2	1	0	85,4	Open	1	440	440	0	1	MP1	8
3	1	0	85,4	Open	1	442	650	2	1	MP2	3
4	1	0	85,4	Close	1	650	650	0	1	DU2	8

Measurement Data Description

Test Purpose	UID 17
Remark	
Data Directory	0234_16.45.15_XI_3

Signatures

	Date	Signature
Issued	22-8-'98	
< Performed	27.8.98	

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	Gerard Otter 22-08-1998	
	What's the name of the (main) data input files generated by the EGSE? `(*.dat)`	sci4_22081998_16495440	(A)
	Setup a three-window configuration on your SUN.		see course descr.

Cnstr directory	`cd ~/DATA-DIR/XSI-UV-III/ ; ls -l`
	highest number in directory?
	New directory: `mkdir <B+1>`
	`ls -l`
	What's now the highest number in directory?
	<C> should be <B> + 1
		
		/
		
		1
		Y / N
			Note: In window DATA-DIR
			(B)
			
			(C)

	directory name is:	`~/DATA-DIR/XSI-UV-III/<C>`	(DIR-NAME)
Copy data	See Analysis sheet: Transfer Data File	(Y) / N	In DATA-DIR window
Cnstr EGSE_LTF	`cal_raw2ltf .` (Error messages are not necessarily fatal; check with SOLAN --in solan window-- whether output file is okay: there should be a signal present, and `dremark1` labels should be filled) `ls -l *.egse_ltf` What's the name of the egse_ltf file <D> should be <A>.egse_ltf	 (A) (Y) / N	Note: In window DATA-DIR; ***don't forget the dot !!!;*** *May take more than 15 mins.* (D)
Cnstr CAL files	`idl run_fastaverscia` (and select file <D> when asked)		Note: In window IDL
Check CAL files	Dark files: `ls -l *du*.cal`		In DATA-DIR Window
	size:	146 k.	should be approx 150Kb
	Monochromator ouput:		

`ls -l *mp<lambda>*.avg.cal` (where lambda is a wavelength indicator)

should be approx 150Kb

size: 146 k
lambda ranges from: 440
to: 650
Note: all files should be present, if not:
(a) Check file <D> using SOLAN and check whether `dremark1` labels are present.
(b) Check if enough disk space is available (Unix command `df -k | more`).

Print postscript — Pick a *.mp<lambda>.avg.cal file.
`lpr -P<printer> *.avg.cal.ps`

Contents dark file `*du.avg.cal.ps` should be approx. constant within channels: (Y) / N
Contents of a file `*mp<lambda>.avg.cal.ps` should contain a peak signal in corresponding channel (cannot be seen in channels 7 and 8): (Y) / N

Contents of `*mp<lambda>.rel_std.cal.ps` files should be smaller than 0.01 (pixel 300 -- 800) for all channels. Y / N
If not, value is: NA

Add postscript images to logbook, done (Y) / N

Print logfiles — `lpr -P<printer> *.log`
Add logfiles to logbook, done (Y) / N

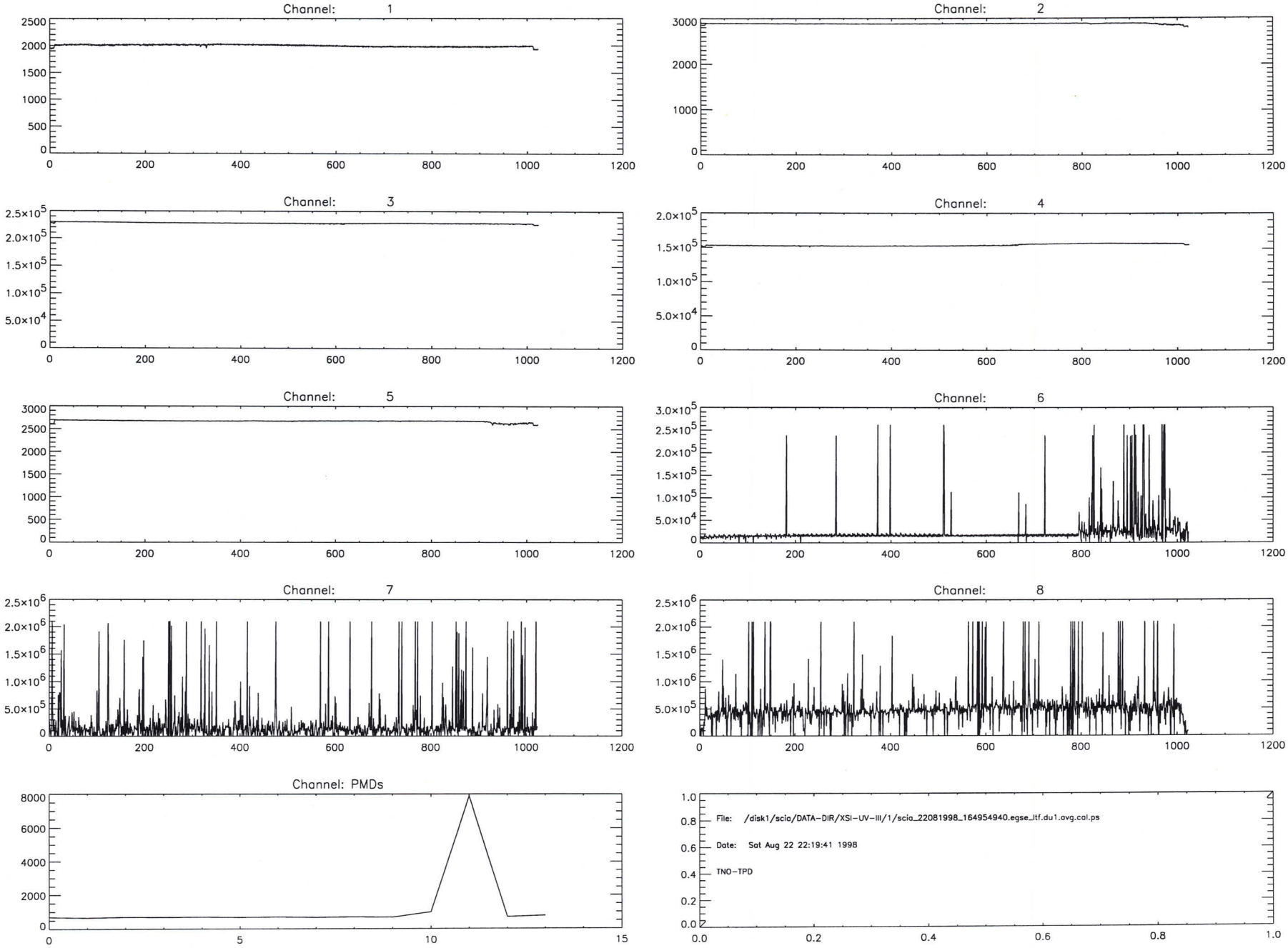
Xsi processing

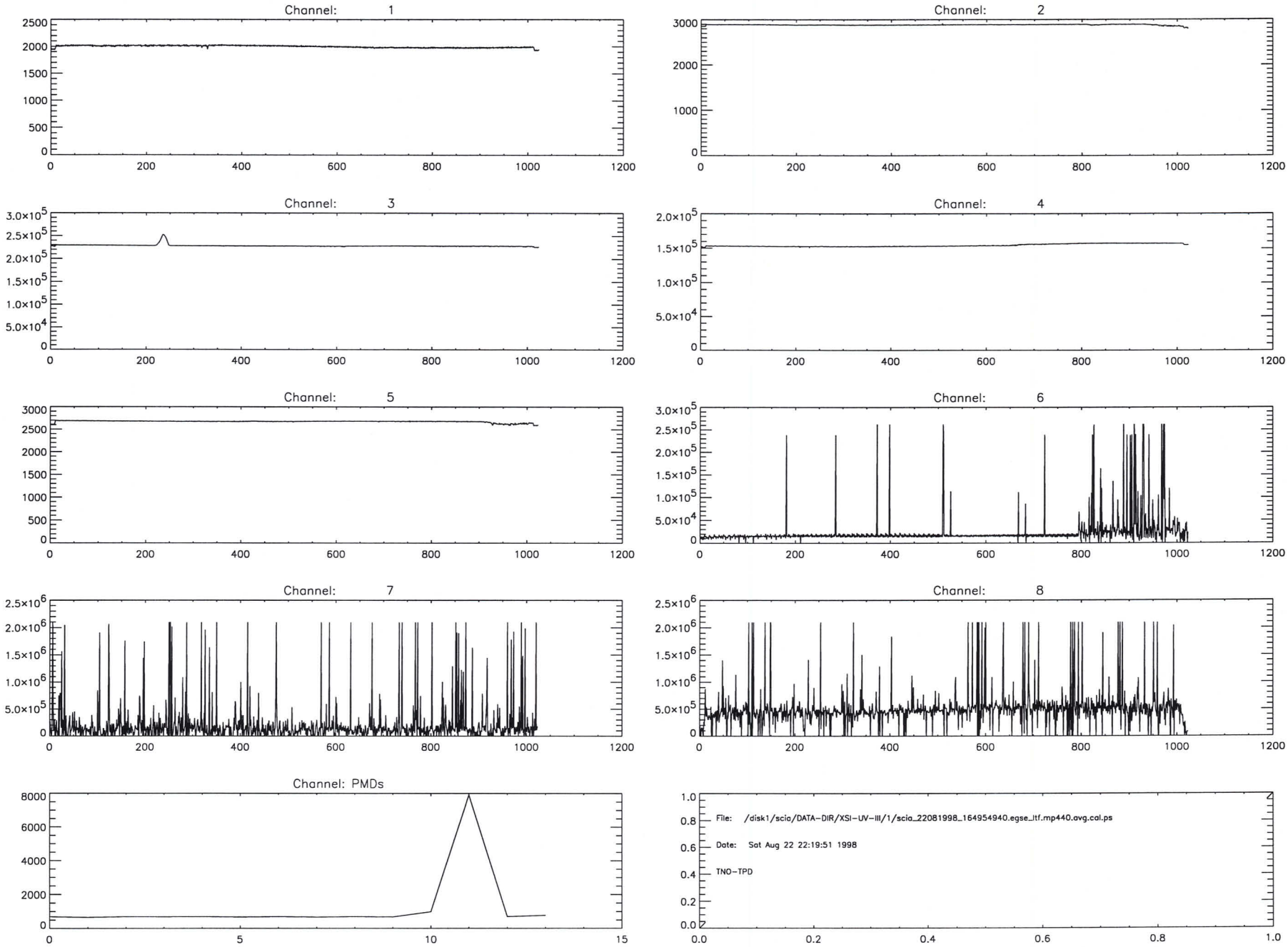
Construct `control-file` in dir. <DIR-NAME> where each line is of the form `<l1> <l2> <darkname>` (meaning that file `<darkname>` is to be used as dark measurement for monochromator outputs with wavelength `M` such that `<l1> <= M <= <l2>`).

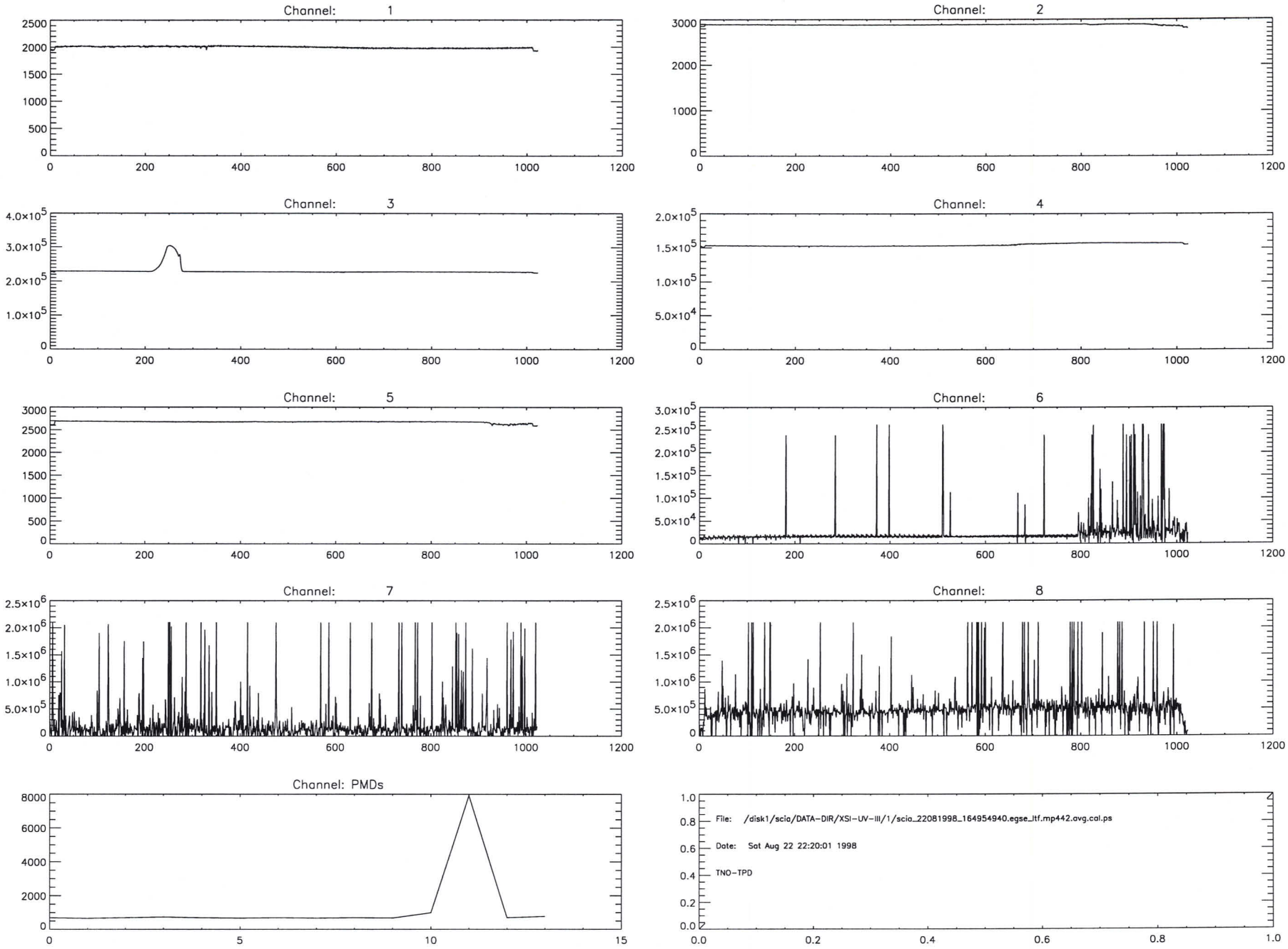
See instructions

Control file

	`lpr -P<printer> <DIR-NAME>/control-file` Add `control-file` to logbook, done	Y / N	
Run XSI	`idl do_xsi`		
Check XSI	`ls -l *.data` Size of file `<D>.du*.cal.data`	46 kb	In DATA-DIR window
Check XSI visually	`idl do_xsi_processing`		In IDL window
	`lpr -P<printer> *.data.ps` Value of XSI resembles expected XSI (see [Predicted PFMcalibration results])? Add postscript images to logbook, done	Y / N Y / N	In DATA-DIR window
Print logfiles	`lpr -P<printer> *.data.log` Add logfiles to logbook, done	Y / N	
Back up	Create 3 sets of backup CDs of directory <DIR-NAME> (One CD has a capacity of 600 Mbytes, the UNIX command `/usr/bin/du -k .` gives the number of kilo bytes in the current directory). Name of backup CDs		See analysis sheet BackUp
Sign:	Name Date and time Signature		


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/XSI-UV-III/1/scia_22081998_164954940.egse_itf.du1.avg.cal.ps
Date: Sat Aug 22 22:19:41 1998
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scio/DATA-DIR/XSI-UV-III/1/scia_22081998_164954940.egse_itf.mp440.avg.cal.ps
Date: Sat Aug 22 22:19:51 1998
TNO-TPD

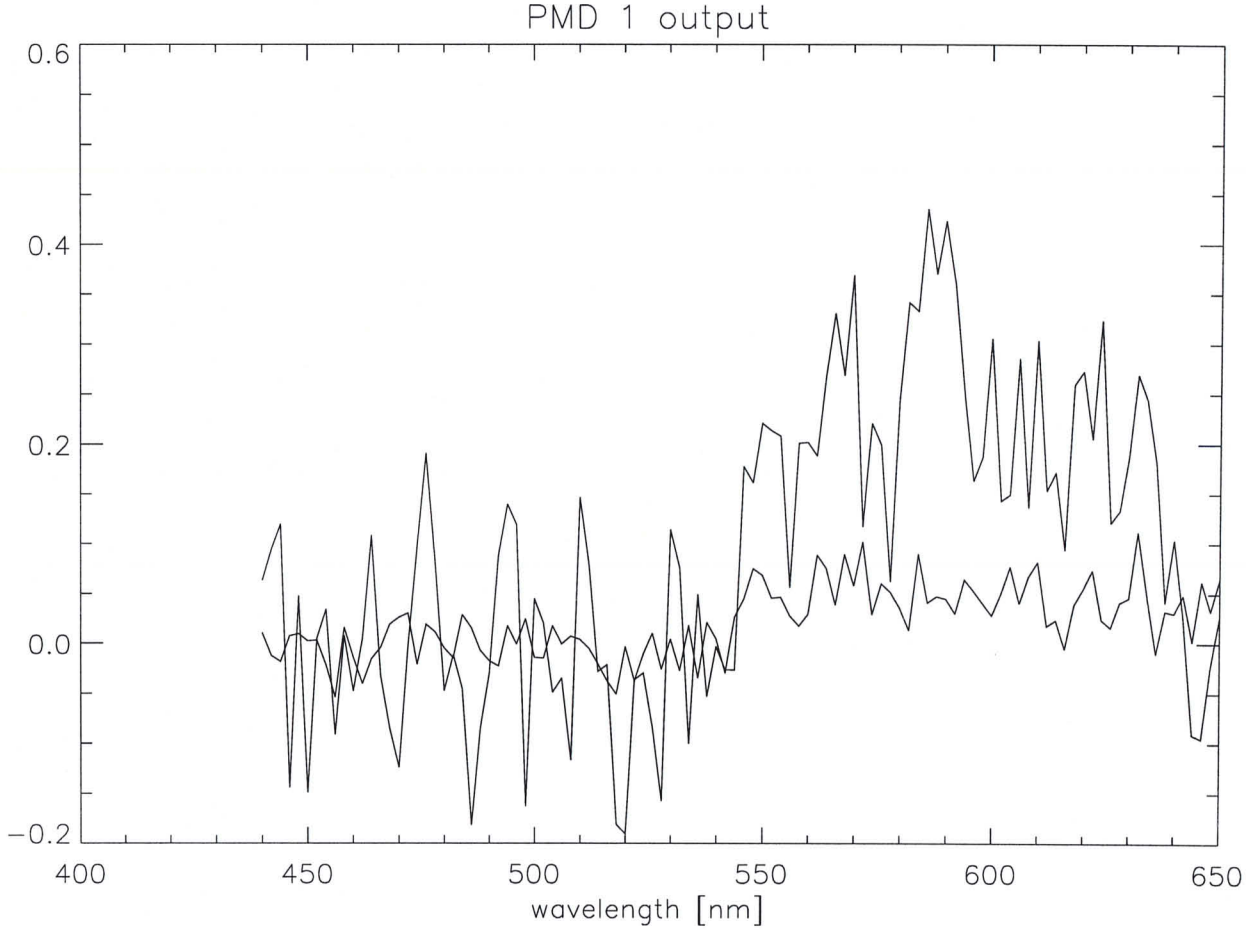

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/XSI-UV-III/1/scia_22081998_164954940.egse_itf.mp442.avg.cal.ps
Date: Sat Aug 22 22:20:01 1998
TNO-TPD

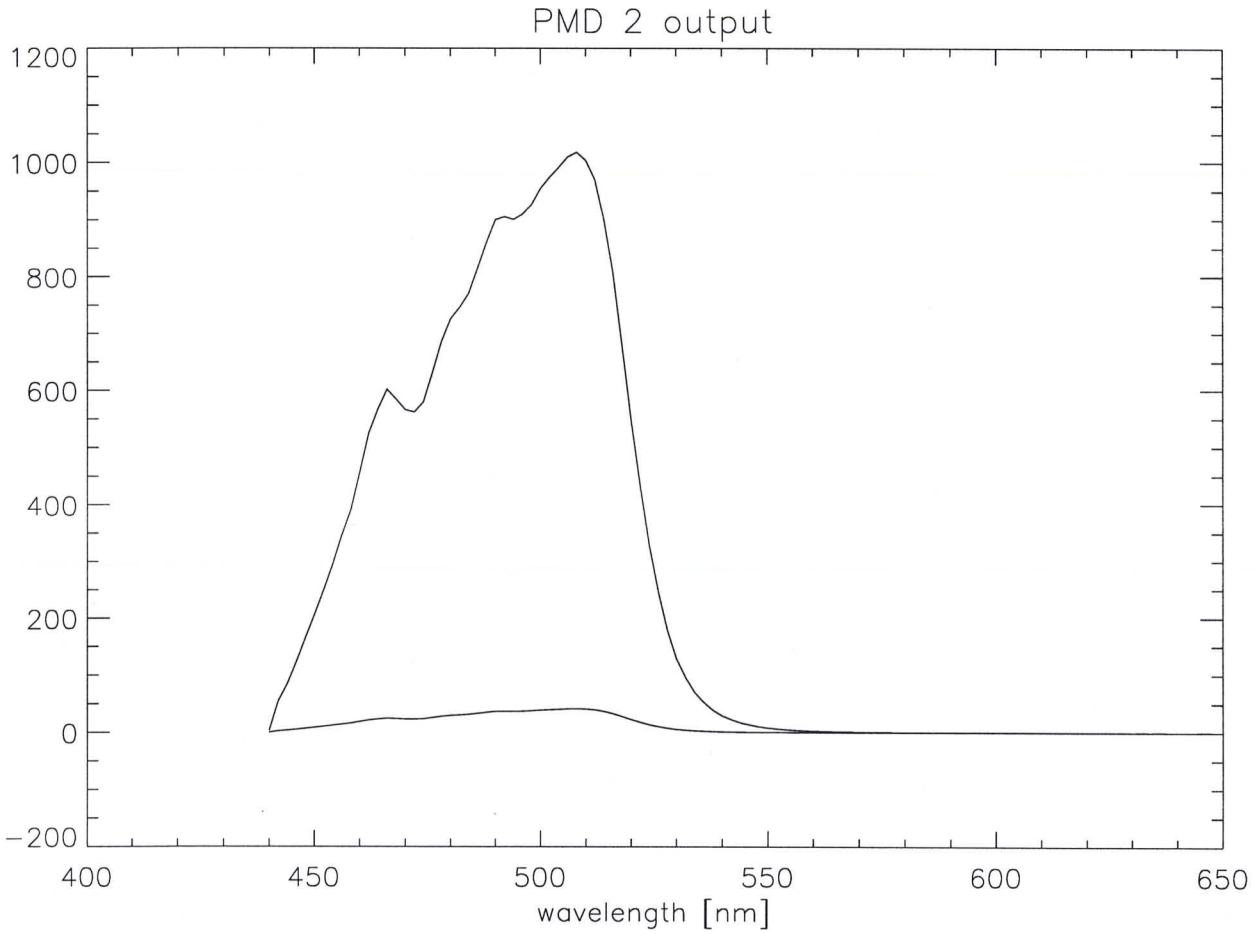
```
time       = Sat Aug 22 22:19:42 1998
batch      = du1
Start TOD = Sat 22-Aug-98 16:50:05
End   TOD = Sat 22-Aug-98 16:51:53
Processing= computation of average, standard dev. and rel.standard dev.
```

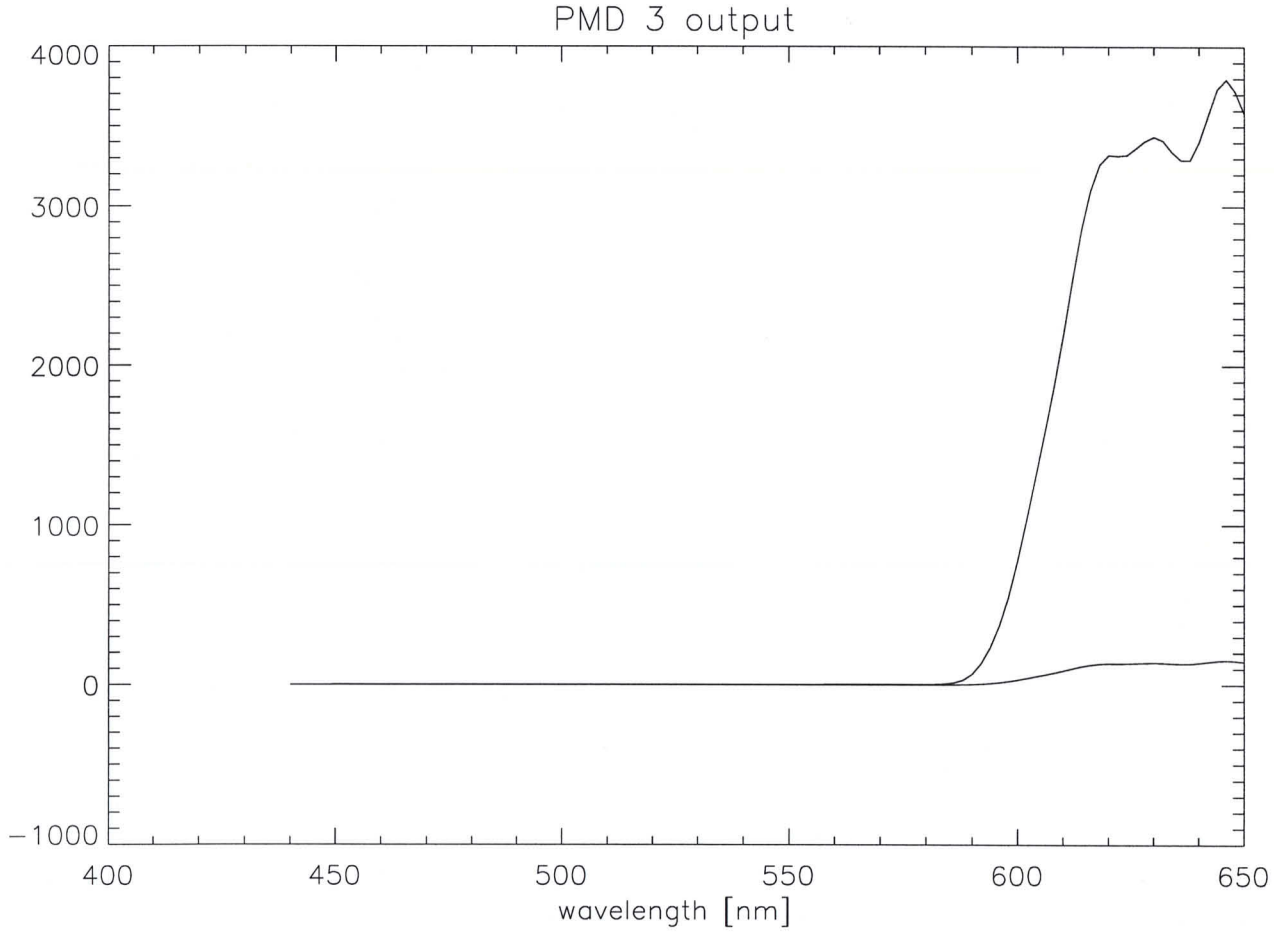
```
time       = Sat Aug 22 22:19:52 1998
batch      = mp440
Start TOD = Sat 22-Aug-98 16:51:53
End   TOD = Sat 22-Aug-98 16:53:26
Processing= computation of average, standard dev. and rel.standard dev.
```

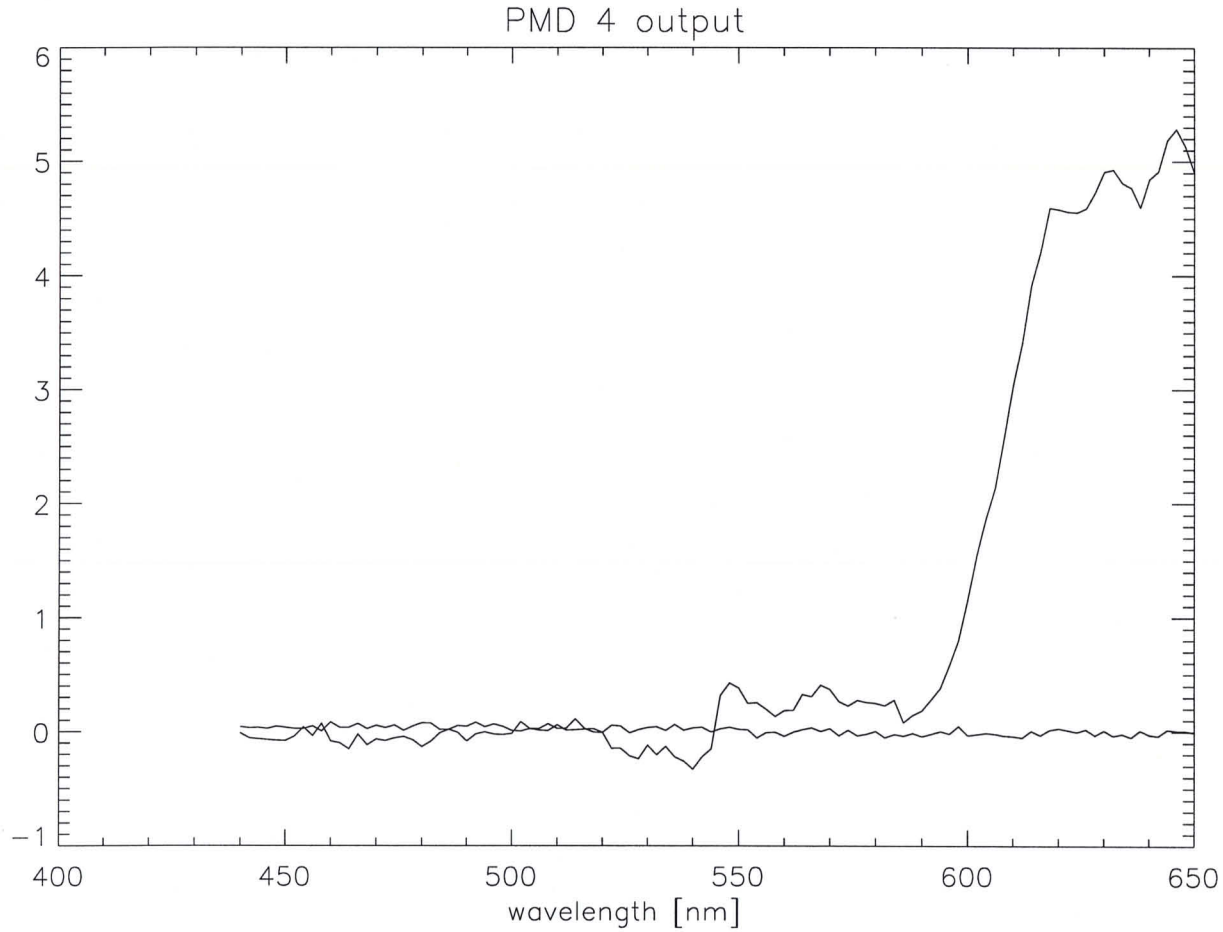
```
time       = Sat Aug 22 22:20:02 1998
batch      = mp442
Start TOD = Sat 22-Aug-98 16:53:26
End   TOD = Sat 22-Aug-98 16:54:59
Processing= computation of average, standard dev. and rel.standard dev.
```

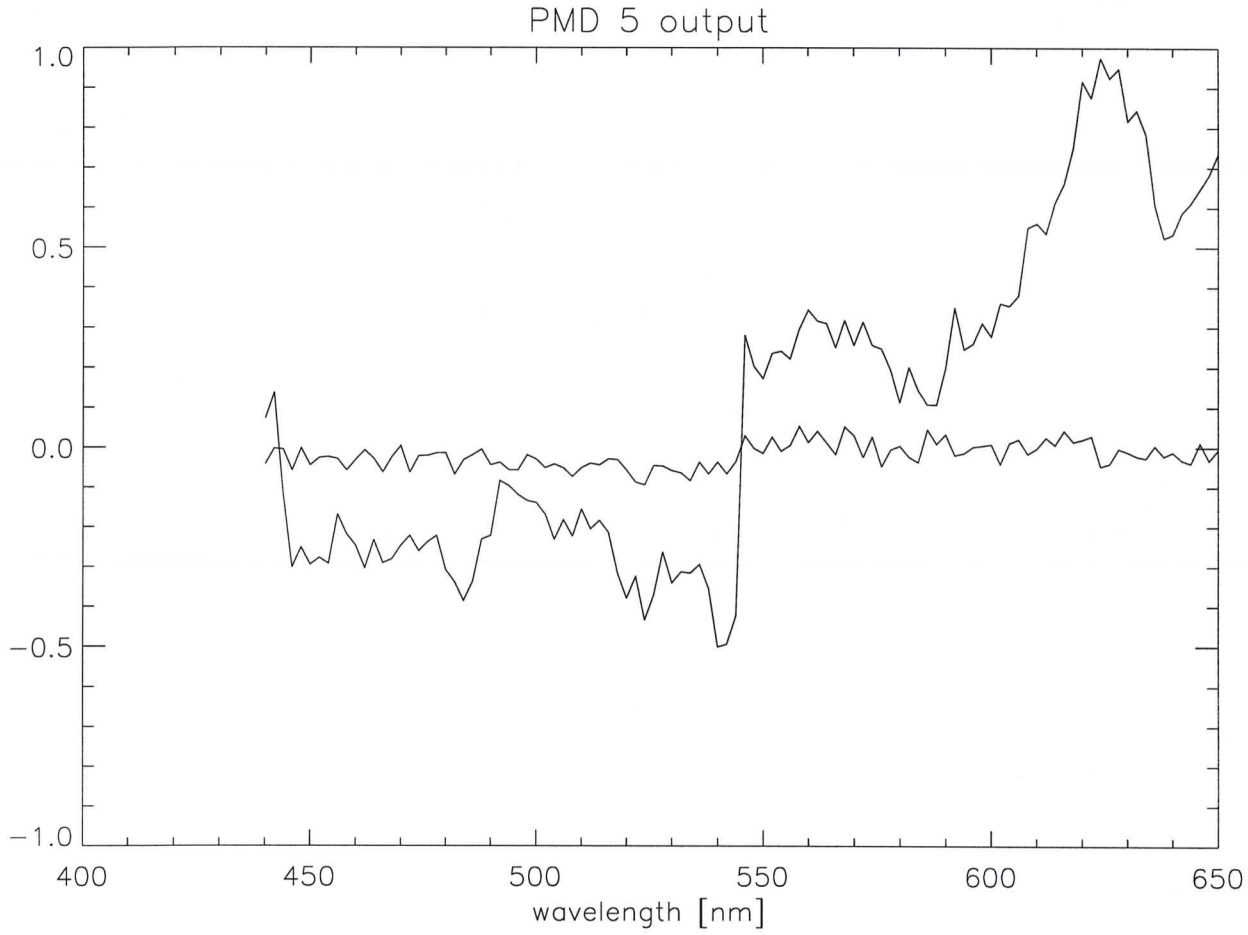
```
440     545     scia_22081998_164954940.egse_ltf.du1.avg.cal
545     650     scia_22081998_164954940.egse_ltf.du2.avg.cal
```

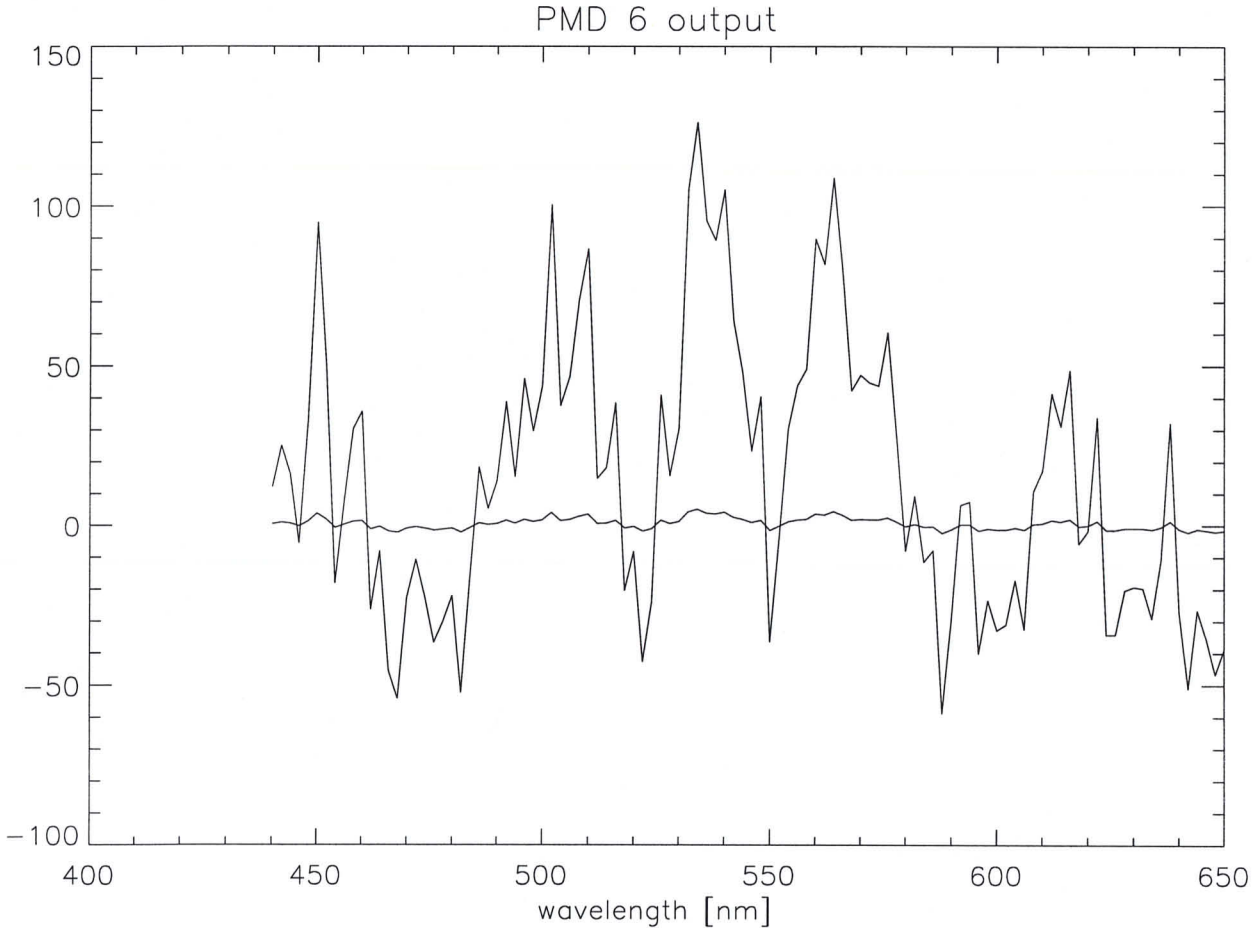

PMD 1 output
0.6
0.4
0.2
0.0
−0.2
400
450
500
550
600
650
wavelength [nm]

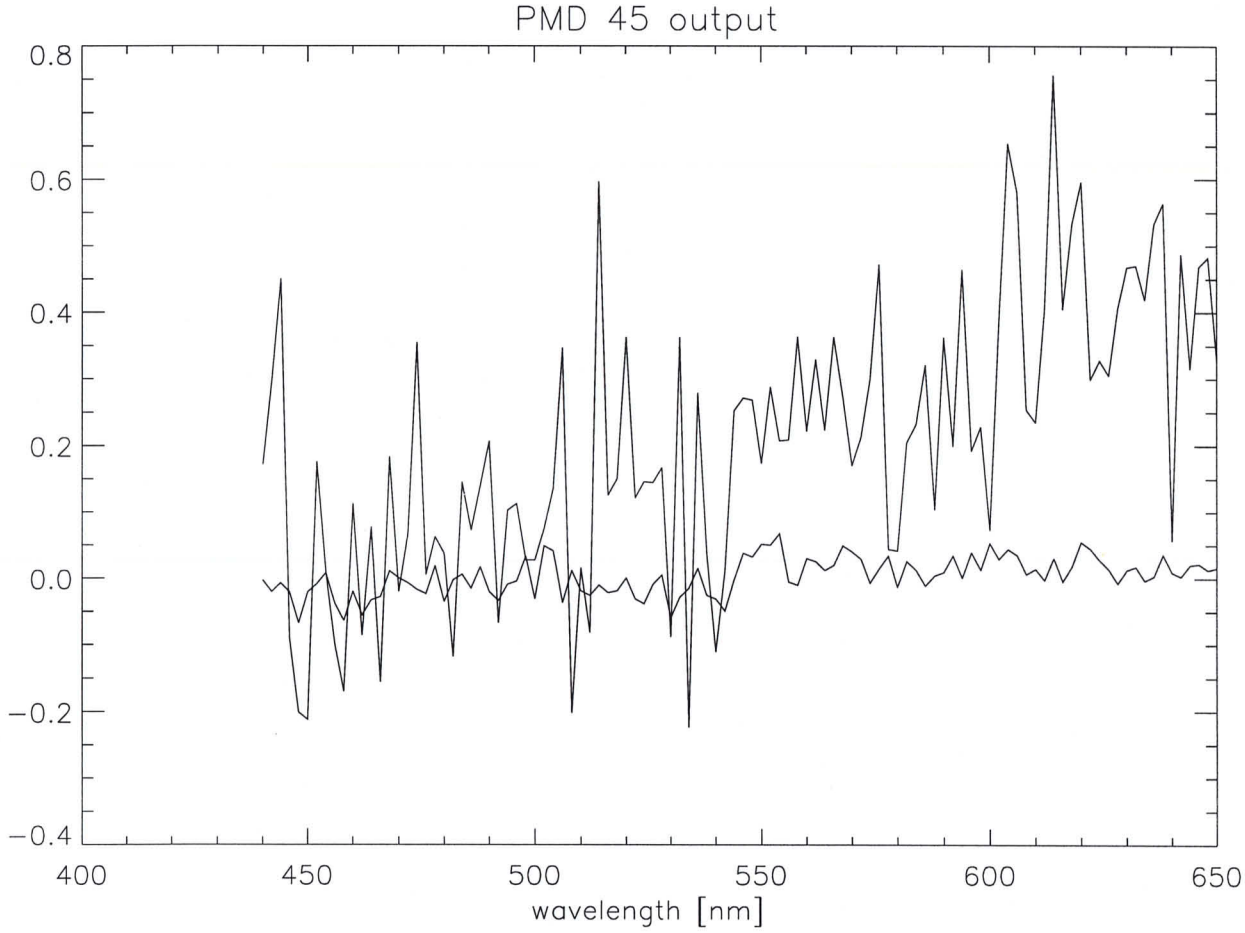

PMD 2 output
1200
1000
800
600
400
200
0
−200
400
450
500
550
600
650
wavelength [nm]

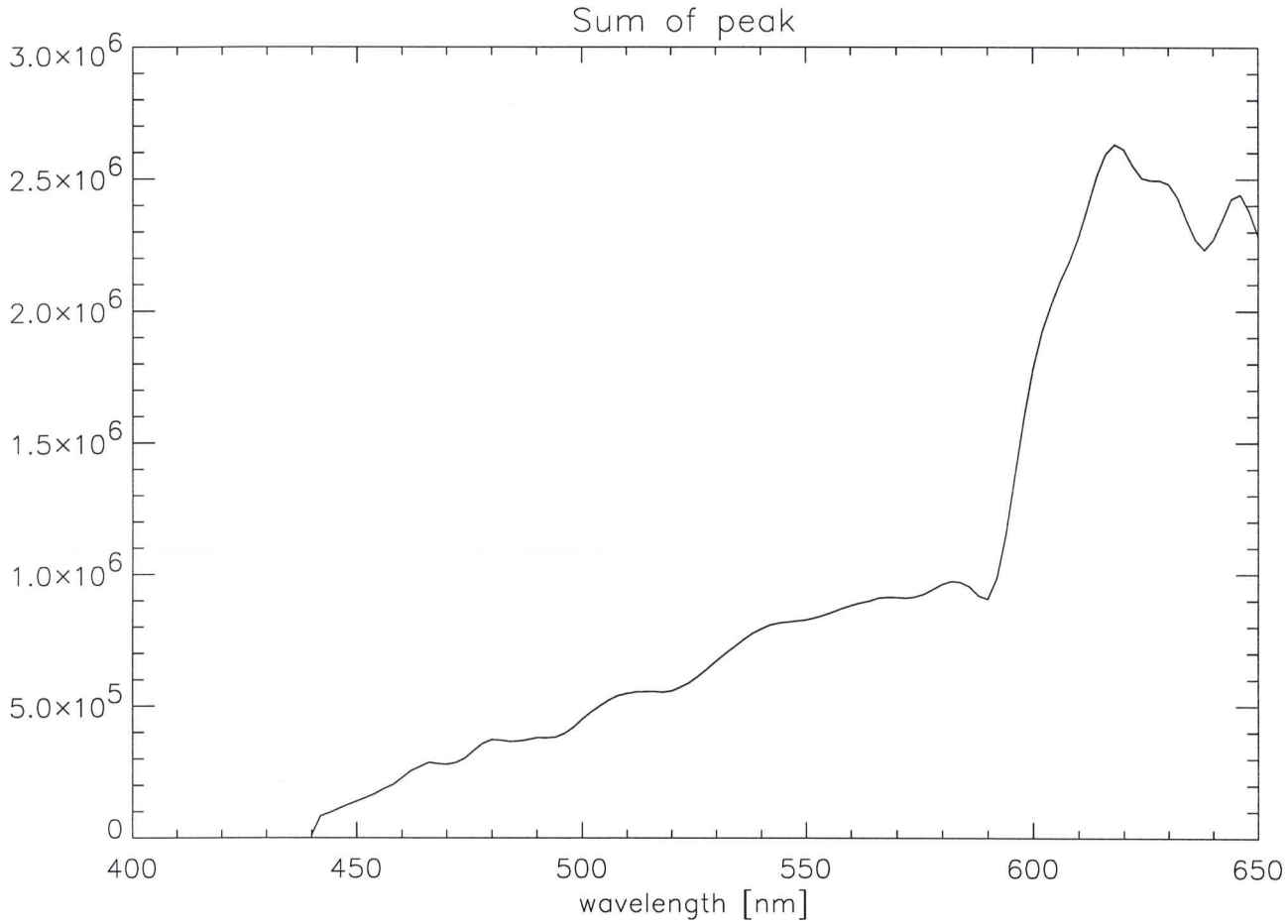

PMD 3 output
4000
3000
2000
1000
0
−1000
400
450
500
550
600
650
wavelength [nm]

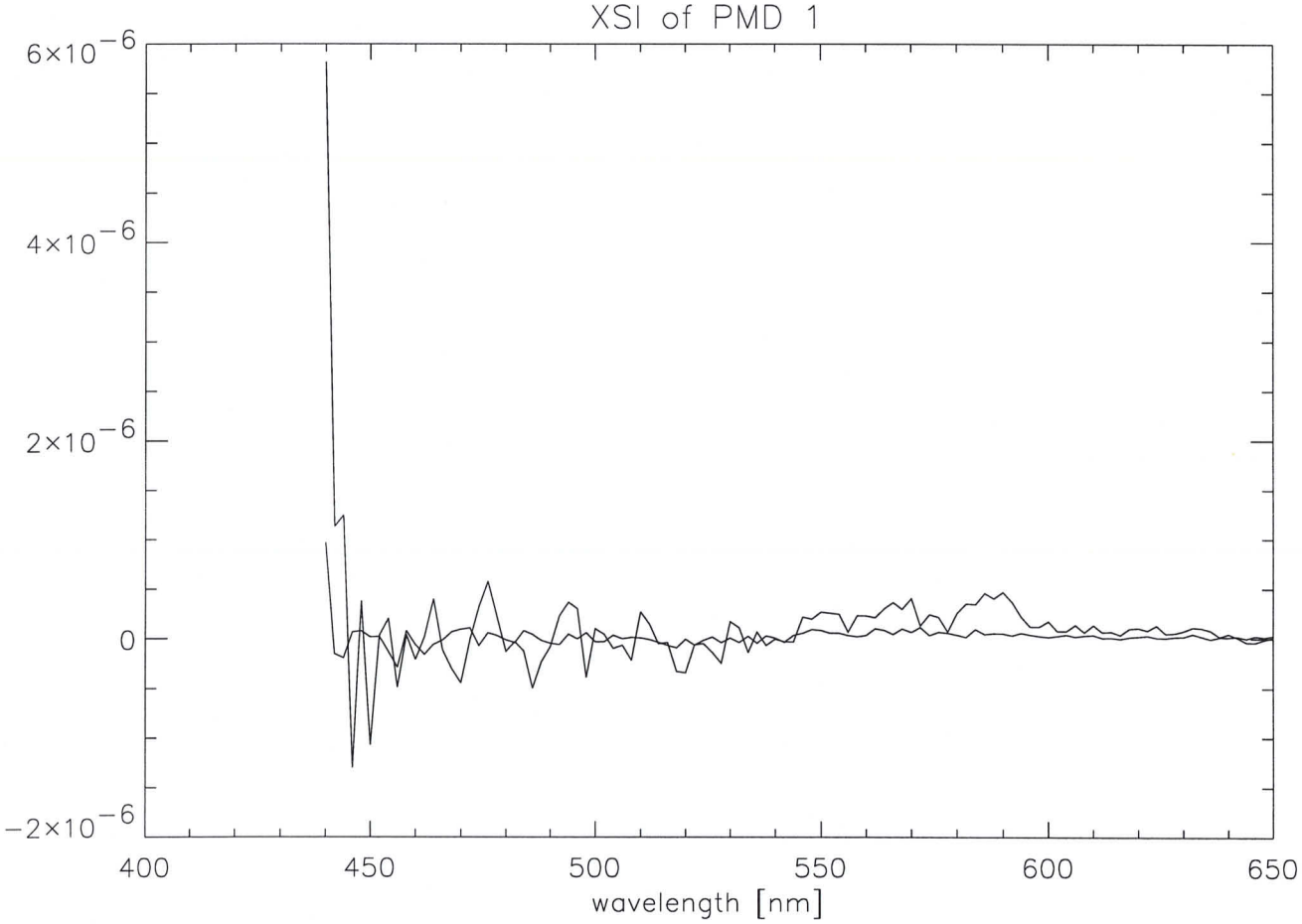

PMD 4 output
6
5
4
3
2
1
0
−1
400
450
500
550
600
650
wavelength [nm]

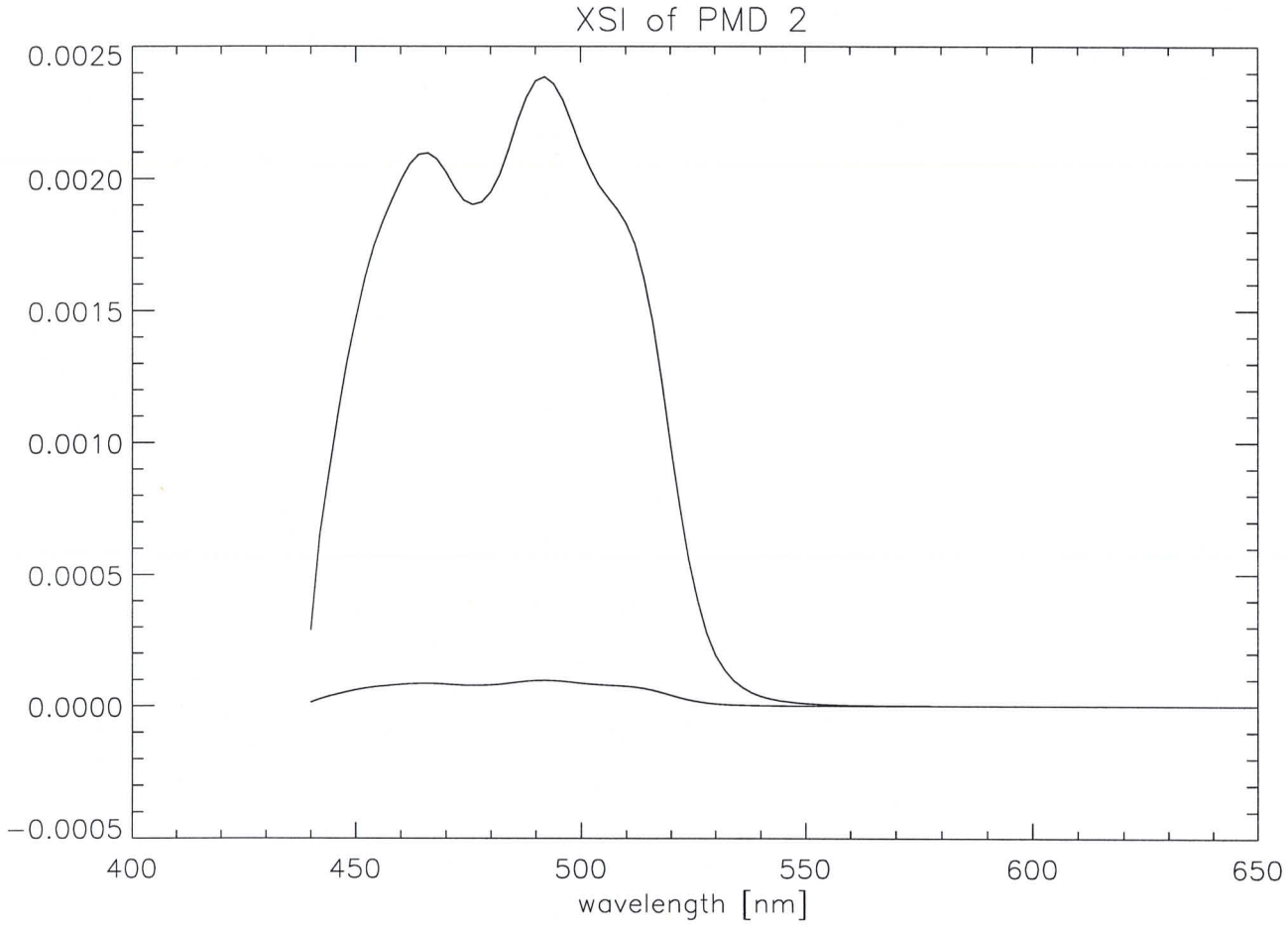

PMD 5 output
1.0
0.5
0.0
−0.5
−1.0
400
450
500
550
600
650
wavelength [nm]

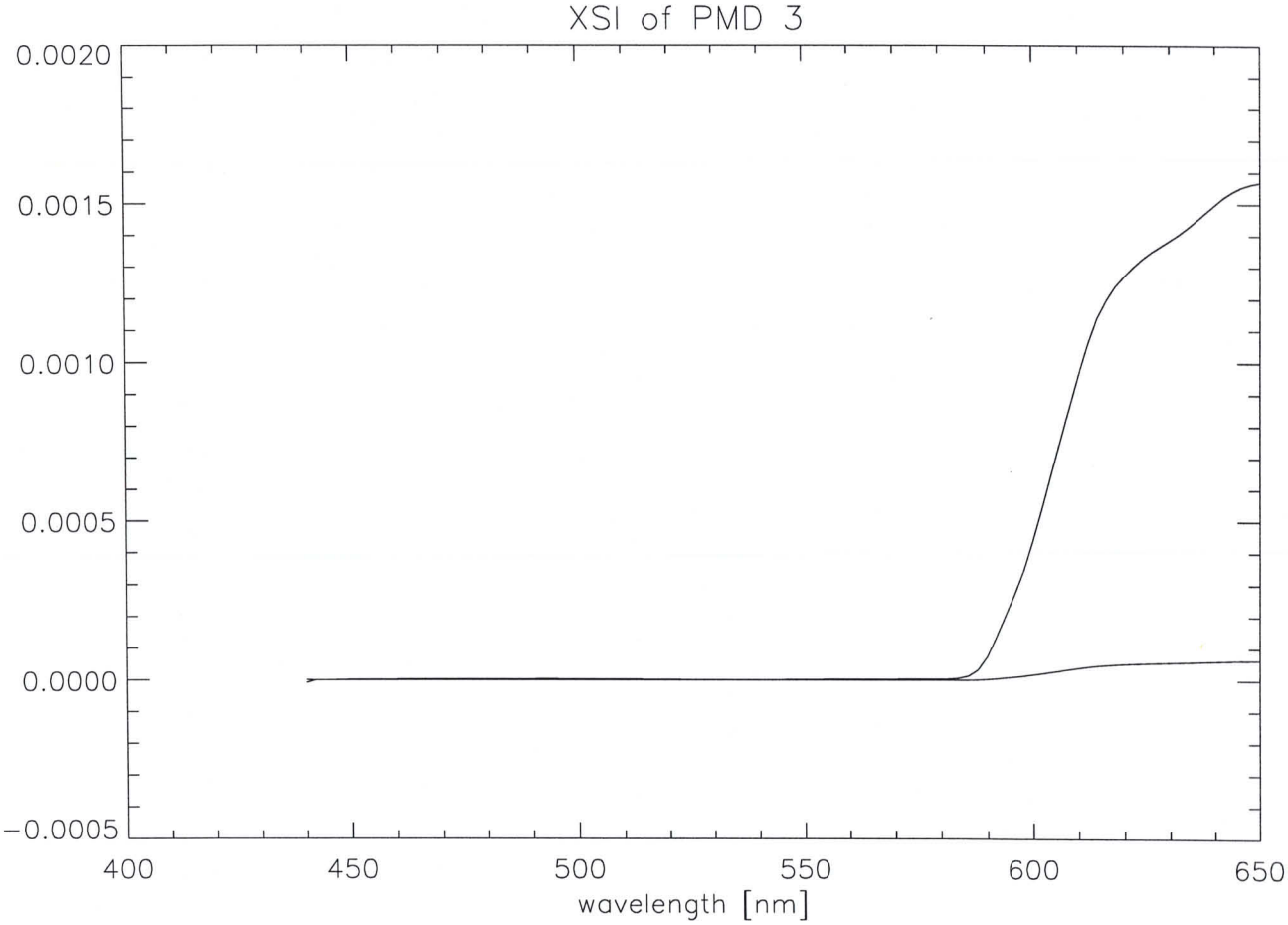

PMD 6 output
150
100
50
0
−50
−100
400
450
500
550
600
650
wavelength [nm]

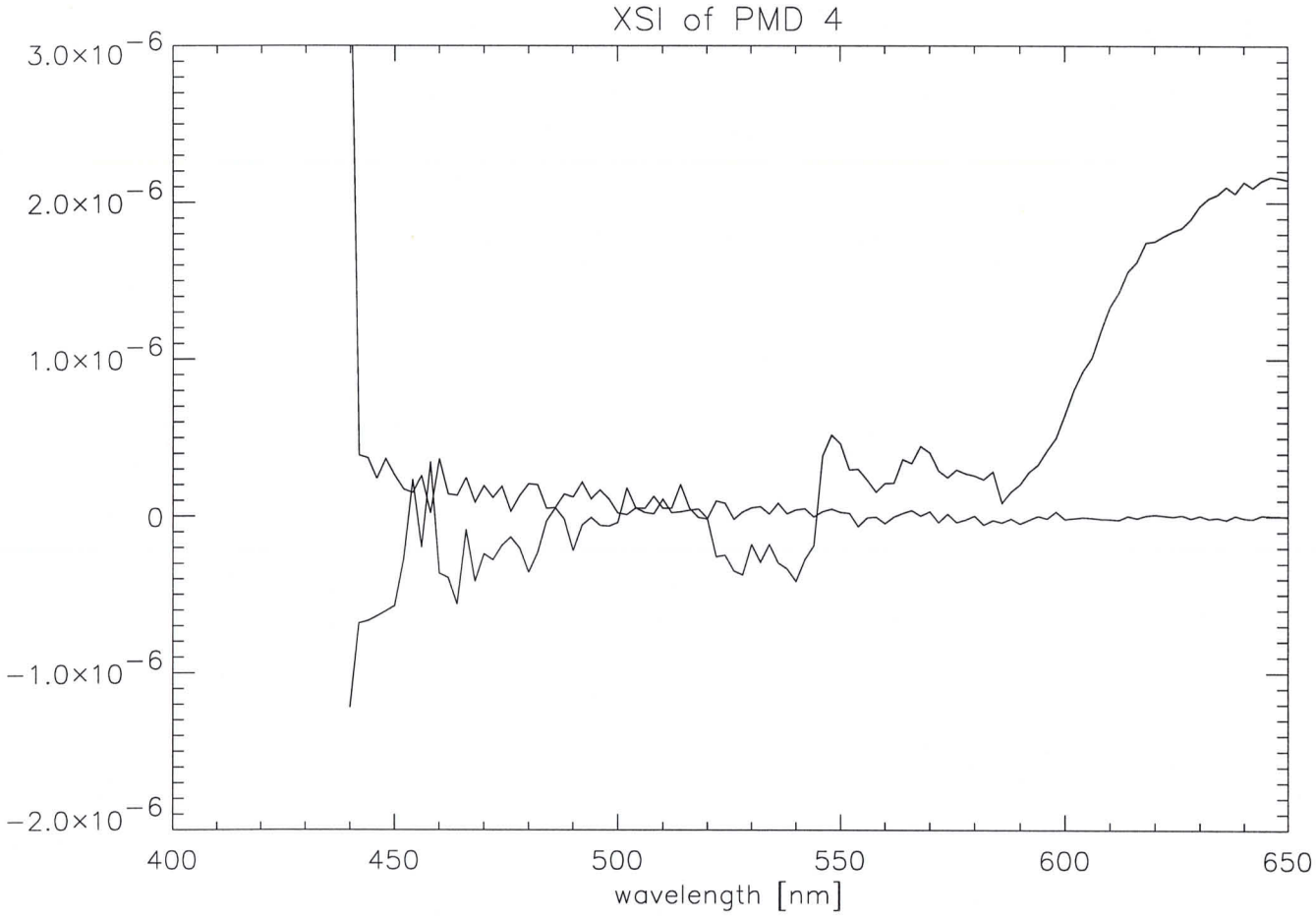

PMD 45 output
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
400
450
500
550
600
650
wavelength [nm]

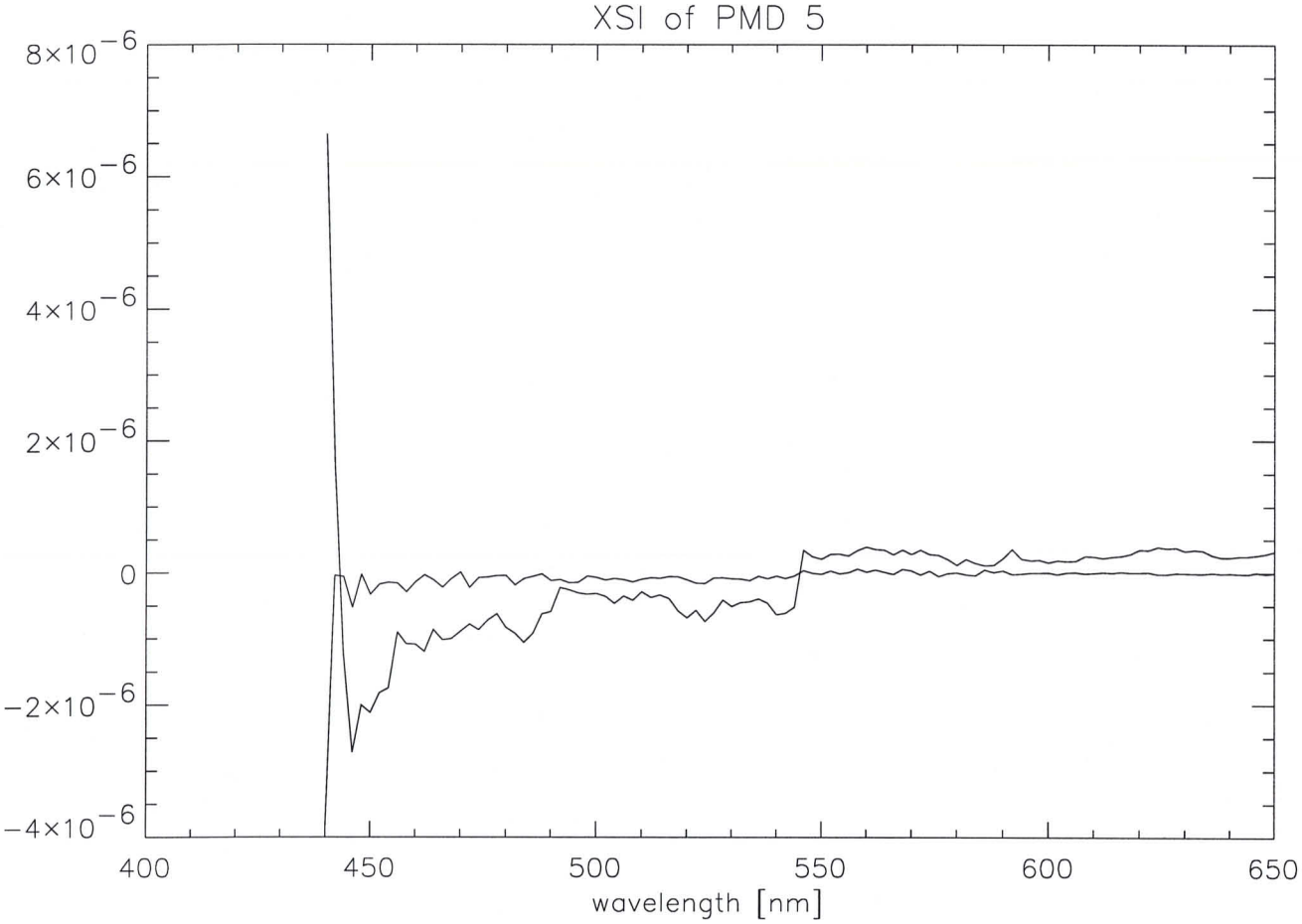

Sum of peak
3.0×10^6
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
400
450
500
550
600
650
wavelength [nm]

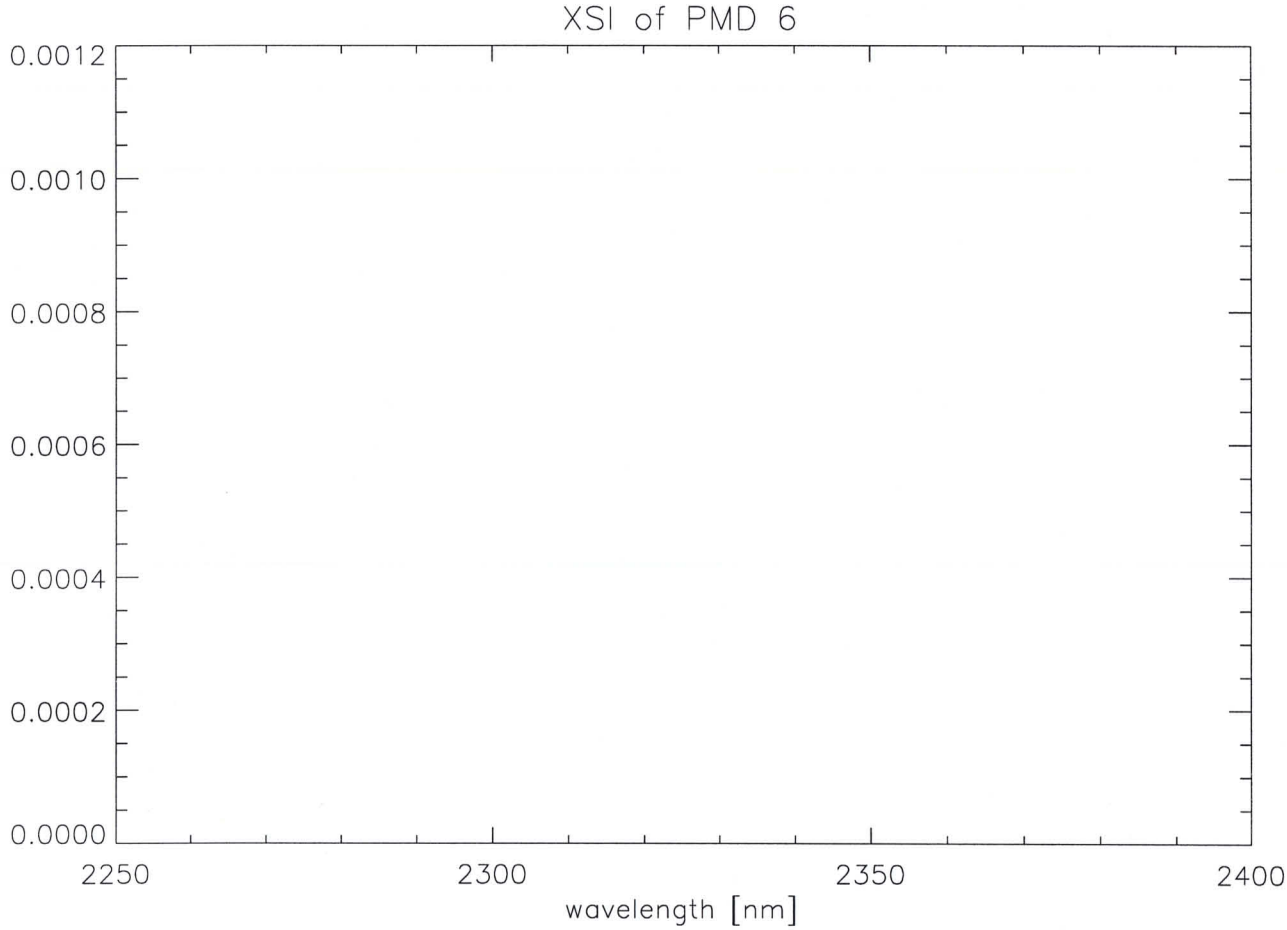

XSI of PMD 1
6×10−6
4×10−6
2×10−6
0
−2×10−6
400
450
500
550
600
650
wavelength [nm]

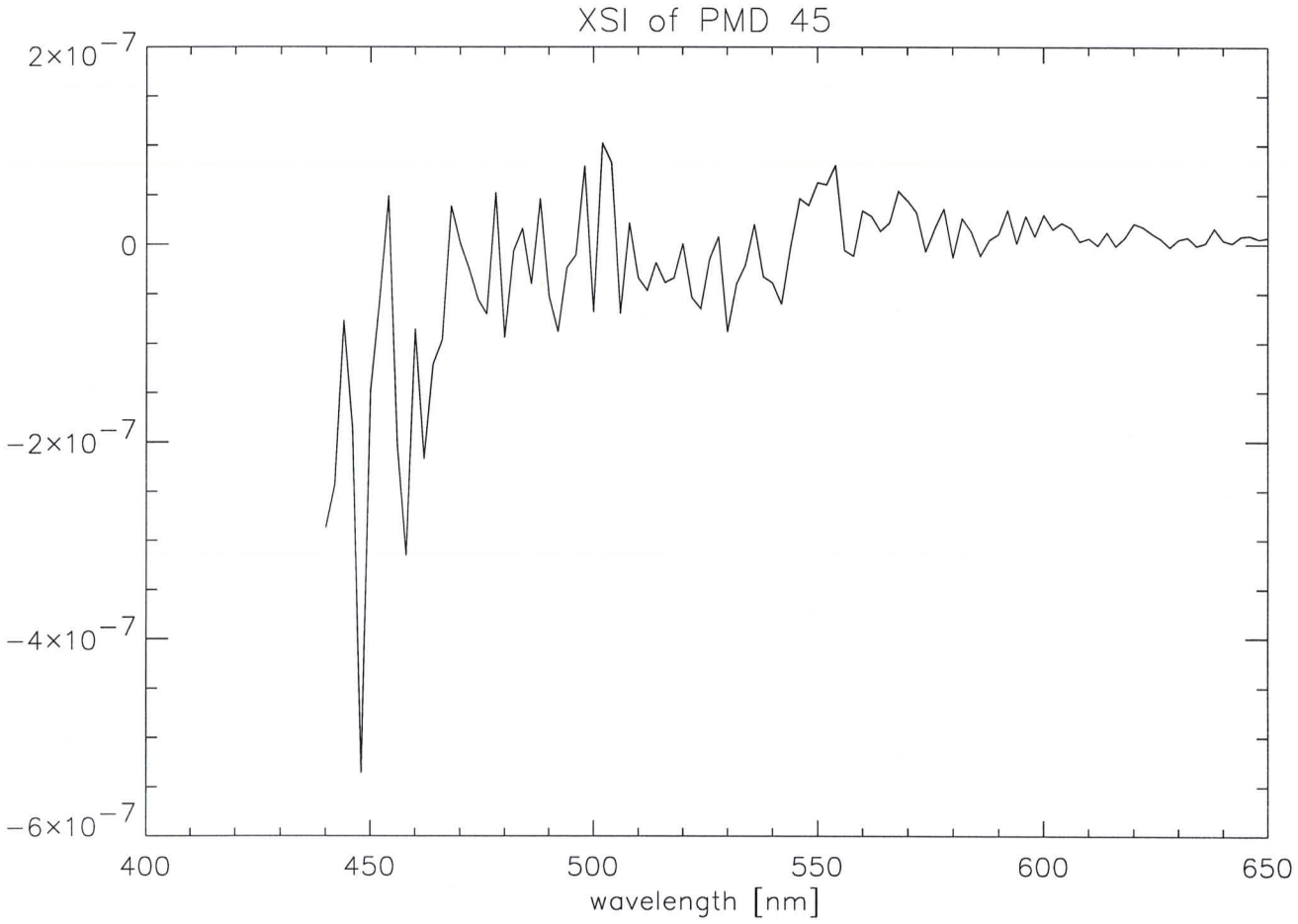

XSI of PMD 2
0.0025
0.0020
0.0015
0.0010
0.0005
0.0000
−0.0005
400
450
500
550
600
650
wavelength [nm]


XSI of PMD 3
0.0020
0.0015
0.0010
0.0005
0.0000
−0.0005
400
450
500
550
600
650
wavelength [nm]


XSI of PMD 4
3.0×10−6
2.0×10−6
1.0×10−6
0
−1.0×10−6
−2.0×10−6
400
450
500
550
600
650
wavelength [nm]


XSI of PMD 5
8×10−6
6×10−6
4×10−6
2×10−6
0
−2×10−6
−4×10−6
400
450
500
550
600
650
wavelength [nm]


XSI of PMD 6
0.0012
0.0010
0.0008
0.0006
0.0004
0.0002
0.0000
2250
2300
2350
2400
wavelength [nm]


XSI of PMD 45
2×10⁻⁷
0
−2×10⁻⁷
−4×10⁻⁷
−6×10⁻⁷
400
450
500
550
600
650
wavelength [nm]

#####
#####
#####
#####
#####
User: scia6!scia
#####
Title: scia_22081998_164954940.egse_ltf.du1.avg.p1.cal.data.log
#####
scia6
#####
Printed: Sat 23:30 Aug 22, 1998
#####
Job number: hp6mp-547
#####
#####
#####
#####
#####

```
Version:  0.1
Input files:  /disk1/scia/DATA-DIR/XSI-UV-III/1/control-file
 scia_22081998_164954940.egse_ltf.du1.avg.cal
 scia_22081998_164954940.egse_ltf.du2.avg.cal
 /disk1/scia/DATA-DIR/XSI-UV-III/1/scia_22081998_164954940.egse_ltf.mp440.avg.
 /disk1/scia/DATA-DIR/XSI-UV-III/1/scia_22081998_164954940.egse_ltf.mp442.avg.
 /disk1/scia/DATA-DIR/XSI-UV-III/1/scia_22081998_164954940.egse_ltf.mp444.avg.
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  `isk1/scia/DATA-DIR/XSI-UV-III/1/scia_22081998_164954940.egse_ltf.mp476.avg.
 ,disk1/scia/DATA-DIR/XSI-UV-III/1/scia_22081998_164954940.egse_ltf.mp478.avg.
 /disk1/scia/DATA-DIR/XSI-UV-III/1/scia_22081998_164954940.egse_ltf.mp480.avg.
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```

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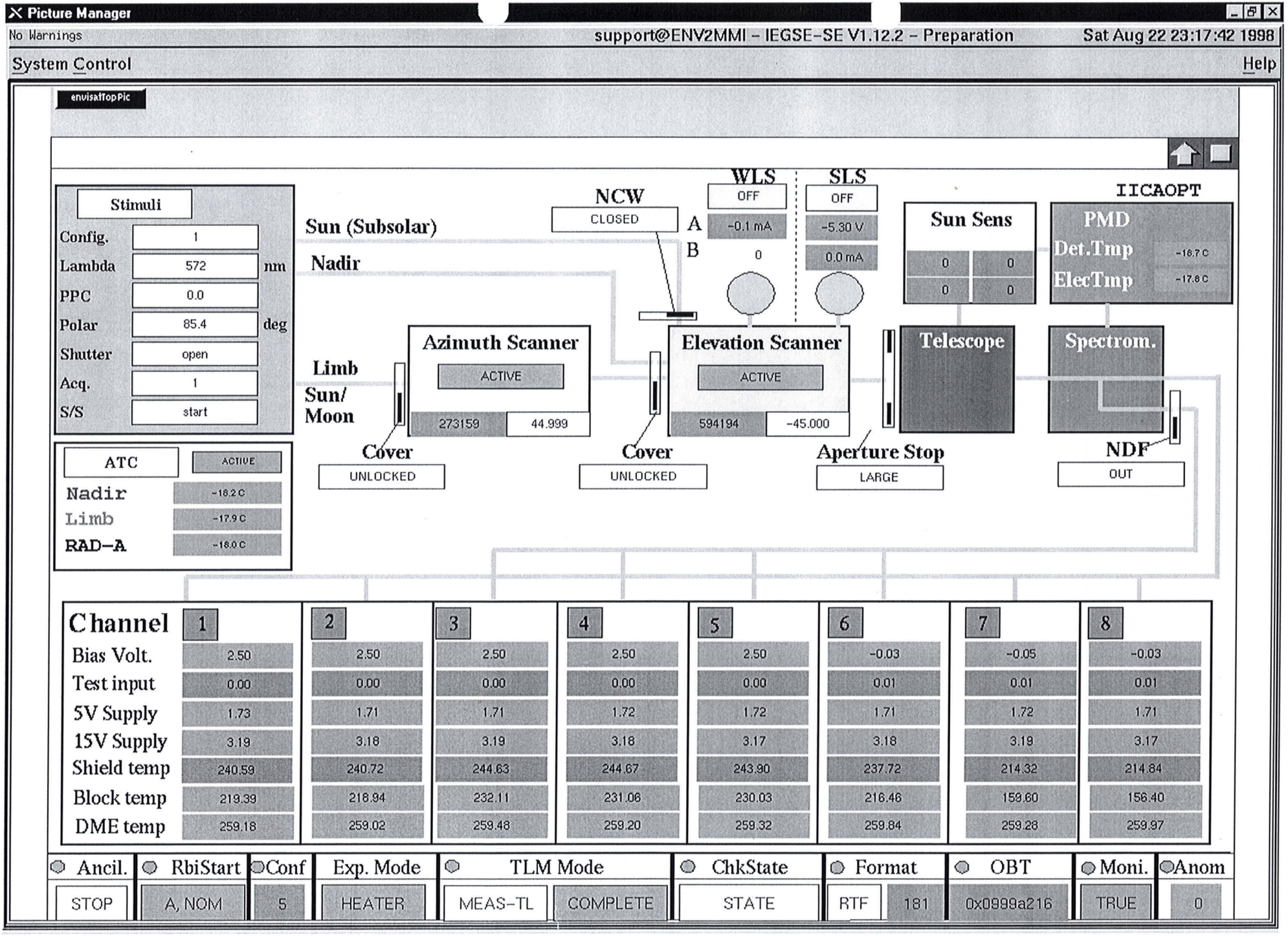
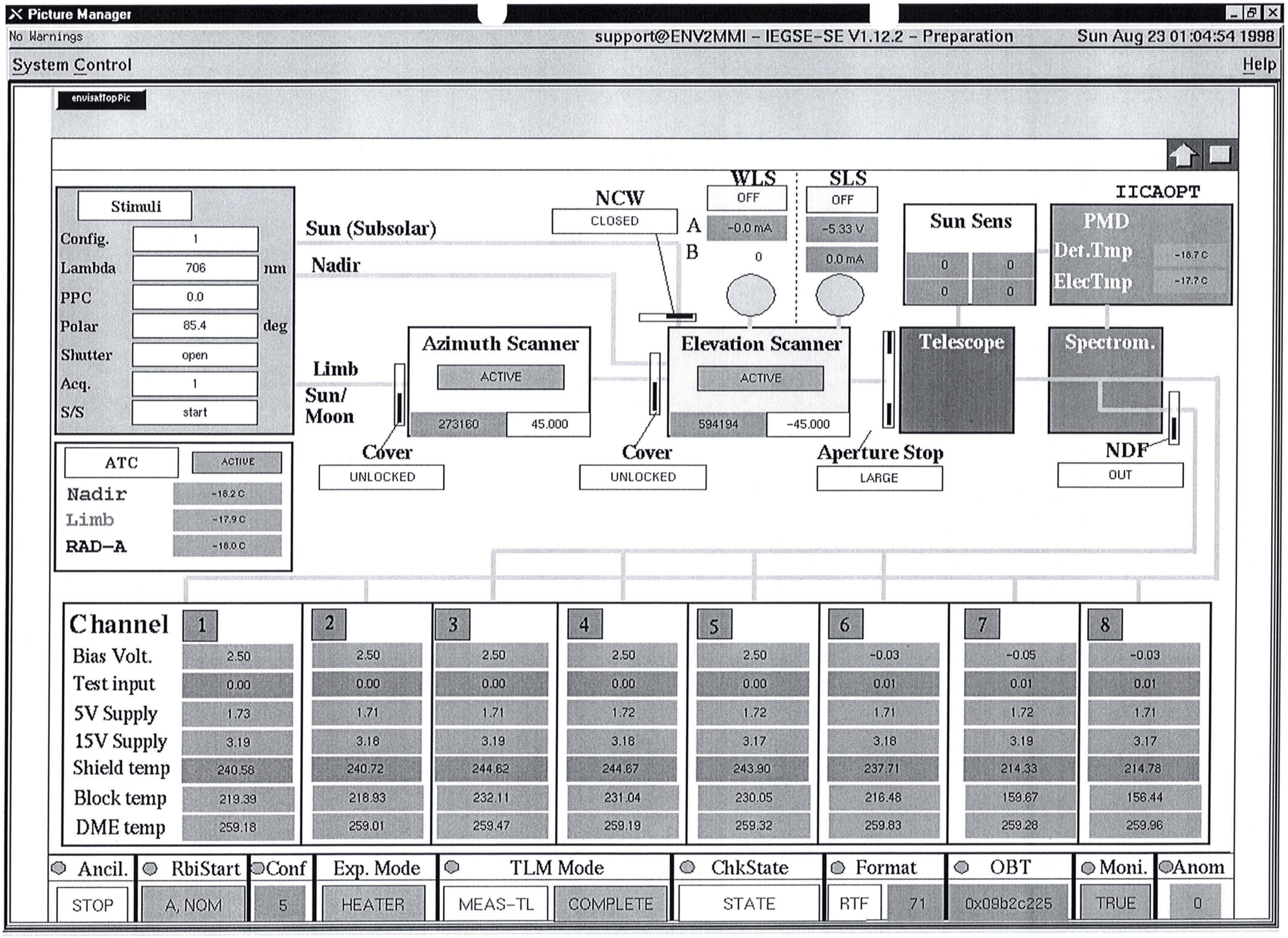
/disk1/scia/DATA-DIR/XSI-UV-III/1/scia_22081998_164954940.egse_ltf.mp620.avg.
/disk1/scia/DATA-DIR/XSI-UV-III/1/scia_22081998_164954940.egse_ltf.mp622.avg.
/disk1/scia/DATA-DIR/XSI-UV-III/1/scia_22081998_164954940.egse_ltf.mp624.avg.
/disk1/scia/DATA-DIR/XSI-UV-III/1/scia_22081998_164954940.egse_ltf.mp626.avg.
/disk1/scia/DATA-DIR/XSI-UV-III/1/scia_22081998_164954940.egse_ltf.mp628.avg.
/disk1/scia/DATA-DIR/XSI-UV-III/1/scia_22081998_164954940.egse_ltf.mp630.avg.
/disk1/scia/DATA-DIR/XSI-UV-III/1/scia_22081998_164954940.egse_ltf.mp632.avg.
/disk1/scia/DATA-DIR/XSI-UV-III/1/scia_22081998_164954940.egse_ltf.mp634.avg.
/disk1/scia/DATA-DIR/XSI-UV-III/1/scia_22081998_164954940.egse_ltf.mp636.avg.
/disk1/scia/DATA-DIR/XSI-UV-III/1/scia_22081998_164954940.egse_ltf.mp638.avg.
/disk1/scia/DATA-DIR/XSI-UV-III/1/scia_22081998_164954940.egse_ltf.mp640.avg.
isk1/scia/DATA-DIR/XSI-UV-III/1/scia_22081998_164954940.egse_ltf.mp642.avg.
/disk1/scia/DATA-DIR/XSI-UV-III/1/scia_22081998_164954940.egse_ltf.mp644.avg.
/disk1/scia/DATA-DIR/XSI-UV-III/1/scia_22081998_164954940.egse_ltf.mp646.avg.
/disk1/scia/DATA-DIR/XSI-UV-III/1/scia_22081998_164954940.egse_ltf.mp648.avg.
/disk1/scia/DATA-DIR/XSI-UV-III/1/scia_22081998_164954940.egse_ltf.mp650.avg.
Processing:
Computation of XSI
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/latest/ppg.cal
ETALON correction filename used: /disk1/scia/DATA-DIR/CORR/latest/etalon.cal
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/wl.data
STRAYLIGHT correction filename used: /disk1/scia/DATA-DIR/CORR/latest/stray.da
Processing time: Sat Aug 22 23:32:28 1998
Output file name:
/disk1/scia/DATA-DIR/XSI-UV-III/1/scia_22081998_164954940.egse_ltf.du1.avg.p1.

LOG SHEET SCHIAMACHY CALIBRATION

Date/Time	Description of action	Measurement directory
Xsi - 4	Xi-4 was finished without serious problems (some minor error messages (time outs) on EGSE appeared. XI-5 was started at 3.45 AM 23/8/98. Also measured with QTH - lamp and 1 UV suprasil 311 diffuser.	
23/8/98	Analysis done Do_XSI_processing ~~werkt~~ schijnbaar niet? ~~wat doet dit en wat is de pick-file~~ (*.data) ↳ werkt wel	


Picture Manager
No Warnings
support@ENV2MMI - IEGSE-SE V1.12.2 - Preparation
Sat Aug 22 23:17:42 1998
System Control
Help
envisatTopPic
Stimuli
Config. 1
Lambda 572 nm
PPC 0.0
Polar 85.4 deg
Shutter open
Acq. 1
S/S start
ATC ACTIVE
Nadir -18.2 C
Limb -17.9 C
RAD-A -18.0 C
Sun (Subsolar)
Nadir
Limb
Sun/
Moon
NCW
CLOSED
WLS
OFF
A -0.1 mA
B 0
SLS
OFF
-5.30 V
0.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -18.7 C
ElecTmp -17.8 C
Azimuth Scanner
ACTIVE
273159 44.999
Elevation Scanner
ACTIVE
594194 -45.000
Telescope
Spectrom.
Cover
UNLOCKED
Cover
UNLOCKED
Aperture Stop
LARGE
NDF
OUT
Channel 1 2 3 4 5 6 7 8
Bias Volt. 2.50 2.50 2.50 2.50 2.50 -0.03 -0.05 -0.03
Test input 0.00 0.00 0.00 0.00 0.00 0.01 0.01 0.01
5V Supply 1.73 1.71 1.71 1.72 1.72 1.71 1.72 1.71
15V Supply 3.19 3.18 3.19 3.18 3.17 3.18 3.19 3.17
Shield temp 240.59 240.72 244.63 244.67 243.90 237.72 214.32 214.84
Block temp 219.39 218.94 232.11 231.06 230.03 216.46 159.60 156.40
DME temp 259.18 259.02 259.48 259.20 259.32 259.84 259.28 259.97
Ancil. STOP
RbiStart A, NOM
Conf 5
Exp. Mode HEATER
TLM Mode MEAS-TL COMPLETE
ChkState STATE
Format RTF 181
OBT 0x0999a216
Moni. TRUE
Anom 0


Picture Manager
No Warnings
support@ENV2MMI – IEGSE-SE V1.12.2 – Preparation
Sun Aug 23 01:04:54 1998
System Control
Help
envisatTopPic
Stimuli
Config. 1
Lambda 706 nm
PPC 0.0
Polar 85.4 deg
Shutter open
Acq. 1
S/S start
ATC ACTIVE
Nadir -18.2 C
Limb -17.9 C
RAD-A -18.0 C
Sun (Subsolar)
Nadir
Limb
Sun/ Moon
NCW
CLOSED
WLS
OFF
A -0.0 mA
B 0
SLS
OFF
-5.33 V
0.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -18.7 C
ElecTmp -17.7 C
Azimuth Scanner
ACTIVE
273160 45.000
Elevation Scanner
ACTIVE
594194 -45.000
Telescope
Spectrom.
Cover
UNLOCKED
Cover
UNLOCKED
Aperture Stop
LARGE
NDF
OUT
Channel 1 2 3 4 5 6 7 8
Bias Volt. 2.50 2.50 2.50 2.50 2.50 -0.03 -0.05 -0.03
Test input 0.00 0.00 0.00 0.00 0.00 0.01 0.01 0.01
5V Supply 1.73 1.71 1.71 1.72 1.72 1.71 1.72 1.71
15V Supply 3.19 3.18 3.19 3.18 3.17 3.18 3.19 3.17
Shield temp 240.58 240.72 244.62 244.67 243.90 237.71 214.33 214.78
Block temp 219.39 218.93 232.11 231.04 230.05 216.48 159.67 156.44
DME temp 259.18 259.01 259.47 259.19 259.32 259.83 259.28 259.96
Ancil. STOP
RbiStart A, NOM
Conf 5
Exp. Mode HEATER
TLM Mode MEAS-TL COMPLETE
ChkState STATE
Format RTF 71
OBT 0x09b2c225
Moni. TRUE
Anom 0

Formal Run of Measurement

(Measurement ID) XI-4

Request for Actual Status		(cross out entries that are **not** requested.)
Request for Modification		(fill in only entries to be modified)
Request for Run	X	(no entries = run based on actual default settings)

S 14.2

Scanner Positions

Azimuth	+45.000	deg
Elevation	−45.000	deg

Timeline for each Data Acquisition Period during Measurement

	1	2	3	4	5	6	7	8	9	10
State ID	20									
Repetitions	1									

State Parameters for States used in Timeline (State ID must be given)

Channel	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding
1a	64	1						
1b	64	1						
2b	64	1						
2a	64	1						
3	0.5	64						
4	0.25	64						
5	64	1						
6	16	4						
7	2	32						
8	2	32						
State ID								

Stimuli Settings for Existing Blocks in Measurement

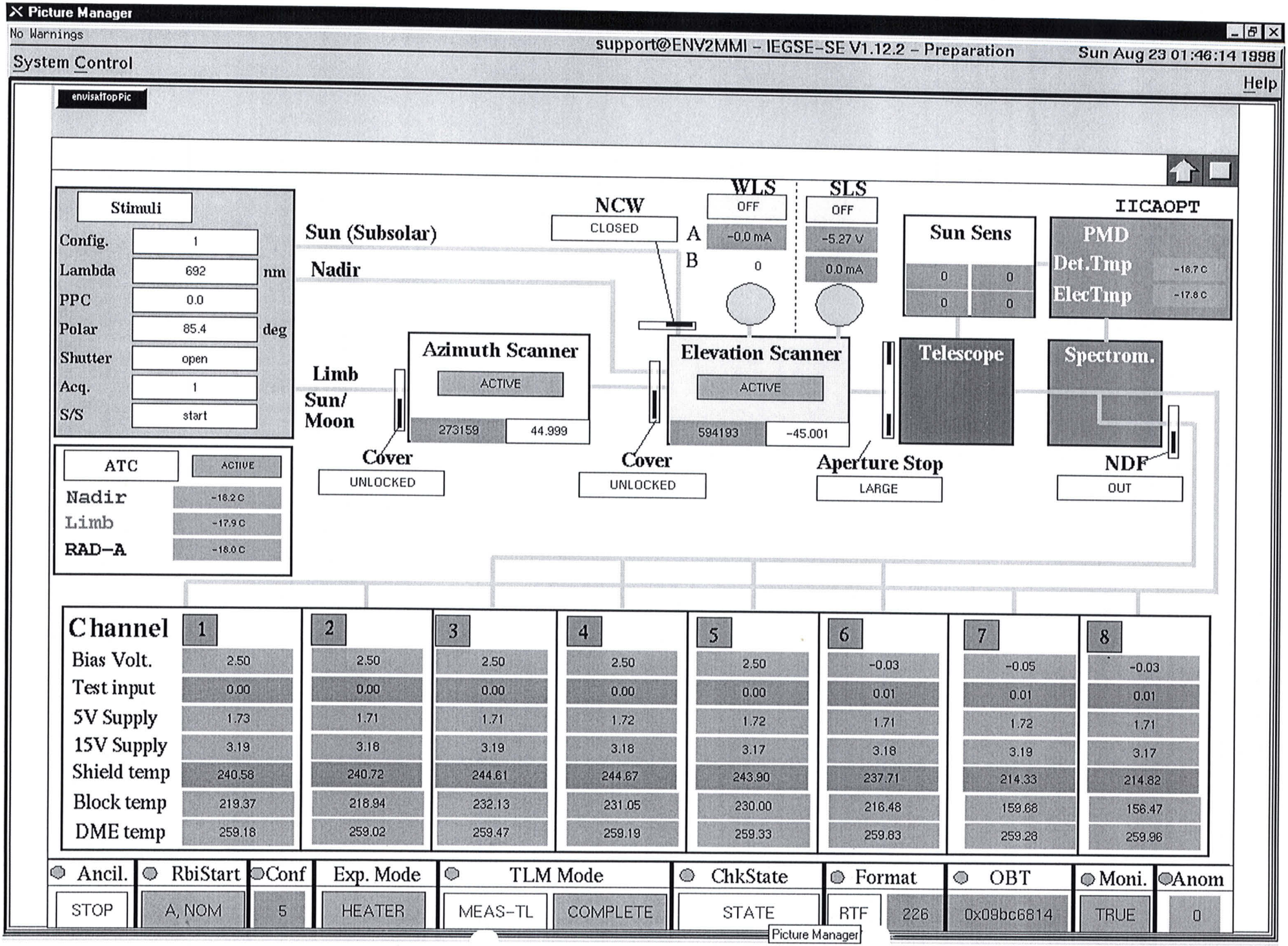
Block No	Stimuli Setup ID	PPC [deg]	Polarizer [deg]	Shutter open/close	Acquisition Time [s]	Lambda [nm] Start	Stop	Step	Repetition Factor	Message	OS Setup Time [s]
1	1	0.0	85.4	CLOSE	1	550	550	0	1	DU1	50
2	1	0.0	85.4	OPEN	1	550	550	0	1	MP~	8
3	1	0.0	85.4	OPEN	1	552	710	2	1	MP~	3
4	1	0.0	85.4	CLOSE	1	710	710	0	1	DU2	8

Measurement Data Description

Test Purpose	WIO 13
Remark	
Data Directory	0234_22.51.50_XI_4

Signatures

	Date	Signature
Issued	22/8/98	
< Performed	22/8/98	


Picture Manager
No Warnings
support@ENV2MMI – IEGSE-SE V1.12.2 – Preparation
Sun Aug 23 01:46:14 1998
System Control
Help
envisatTopPic
Stimuli
Config. 1
Lambda 692 nm
PPC 0.0
Polar 85.4 deg
Shutter open
Acq. 1
S/S start
ATC ACTIVE
Nadir -16.2 C
Limb -17.9 C
RAD-A -18.0 C
Sun (Subsolar)
Nadir
Limb
Sun/ Moon
NCW
CLOSED
WLS
OFF
A -0.0 mA
B 0
SLS
OFF
-5.27 V
0.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -16.7 C
ElecTmp -17.8 C
Azimuth Scanner
ACTIVE
273159 44.999
Elevation Scanner
ACTIVE
594193 -45.001
Telescope
Spectrom.
Cover
UNLOCKED
Cover
UNLOCKED
Aperture Stop
LARGE
NDF
OUT
Channel 1 2 3 4 5 6 7 8
Bias Volt. 2.50 2.50 2.50 2.50 2.50 -0.03 -0.05 -0.03
Test input 0.00 0.00 0.00 0.00 0.00 0.01 0.01 0.01
5V Supply 1.73 1.71 1.71 1.72 1.72 1.71 1.72 1.71
15V Supply 3.19 3.18 3.19 3.18 3.17 3.18 3.19 3.17
Shield temp 240.58 240.72 244.61 244.67 243.90 237.71 214.33 214.82
Block temp 219.37 218.94 232.13 231.05 230.00 216.48 159.68 156.47
DME temp 259.18 259.02 259.47 259.19 259.33 259.83 259.28 259.96
Ancil. STOP
RbiStart A, NOM
Conf 5
Exp. Mode HEATER
TLM Mode MEAS-TL COMPLETE
ChkState STATE
Format RTF 226
OBT 0x09bc6814
Moni. TRUE
Anom 0
Picture Manager

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	M te Plate 23/8/98	
	What's the name of the (main) data input files that you want to store on the SUN named `scia6`?	0234_22.51.58_xi_4	(A)
	Setup a three-window configuration on your SUN.		See course descr.
Do Transfer	Be sure that you are in the directory you want your files in ftp <internet-address>, where you can find the address of the PC in the file `/etc/hosts` (entry: cdwpc). The address will also be next to you on paper (most probably). When asked for user, fill in: `anonymous`, when asked for an email address, fill in your email address on TPD. Set in binary: `binary` `mget *` (and return `y` to every file). `bye`		In DATA-DIR window In DATA window Approx. 140 kB

Sign:

Name: M te Plate
Date and time: 23/8/98
Signature:

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	M de Plate 23/8/98	
	What's the name of the (main) data input files generated by the EGSE? `(*.dat)`	0234_22.51.58_xi_4	(A)
	Setup a three-window configuration on your SUN.	scia_22081998_2257 & scia_23081998_00514	see course descr.

Cnstr directory	`cd ~/DATA-DIR/XSI-VisIR-I/ ; ls -l`
	highest number in directory?
	New directory: `mkdir <B+1>`
	`ls -l`
	What's now the highest number in directory?
	<C> should be <B> + 1
	directory name is:
		0
		
		1
		(Y) / N
		~/DATA-DIR/XSI-VisIR-I/<C>
			Note: In window DATA-DIR
			(B)
			
			(C)
			
			(DIR-NAME)

Copy data	See Analysis sheet: Transfer Data File	(Y) / N	In DATA-DIR window
Cnstr EGSE_LTF	`cal_raw2ltf .` (Error messages are not necessarily fatal; check with SOLAN --in solan window-- whether output file is okay: there should be a signal present, and `dremark1` labels should be filled) `ls -l *.egse_ltf` What's the name of the egse_ltf file <D> should be <A>.egse_ltf	scia_22081998_225707359.egse_ltf (17.5 Mb) (Y) / N	Note: In window DATA-DIR; ***don't forget the dot !!!;*** *May take more than 15 mins.* (D)
Cnstr CAL files	`idl run_fastaverscia` (and select file <D> when asked)		Note: In window IDL
Check CAL files	Dark files: `ls -l *du*.cal` size:	146 kb	In DATA-DIR Window should be approx 150Kb
	Monochromator ouput:		

`ls -l *mp<lambda>*.avg.cal`
(where lambda is a wavelength indicator)

size: 146 kb (should be approx 150Kb)
lambda ranges from: 550 nm
to: 710 nm
Note: all files should be present, if not:
(a) Check file <D> using SOLAN and check whether `dremark1` labels are present.
(b) Check if enough disk space is available (Unix command `df -k | more`).

Print postscript

Pick a `*.mp<lambda>.avg.cal` file.
`lpr -P<printer> *.avg.cal.ps`
Contents dark file `*du.avg.cal.ps` should be approx. constant within channels: (Y) / N
Contents of a file `*mp<lambda>.avg.cal.ps` should contain a peak signal in corresponding channel (cannot be seen in channels 7 and 8): (Y) / N
Contents of *mp<lambda>.rel_std.cal.ps files should be smaller than 0.01 (pixel 300 -- 800) for all channels. Y / N
If not, value is:
Does not make sense for N=1 No statistics possible

Add postscript images to logbook, done (Y) / N

Print logfiles `lpr -P<printer> *.log`
Add logfiles to logbook, done (Y) / N
alleen voor du1 du2

mp550
mp552

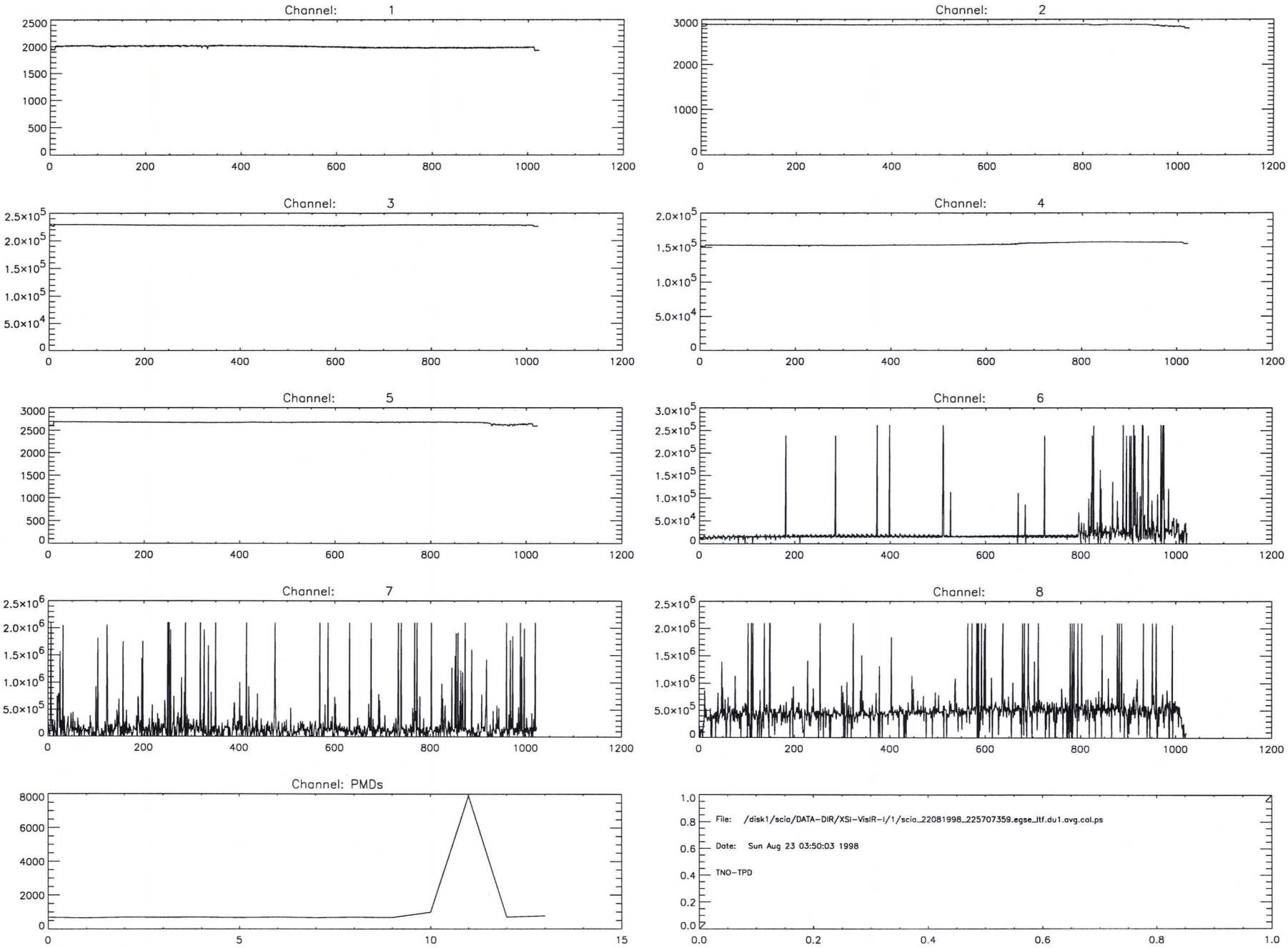
Xsi processing

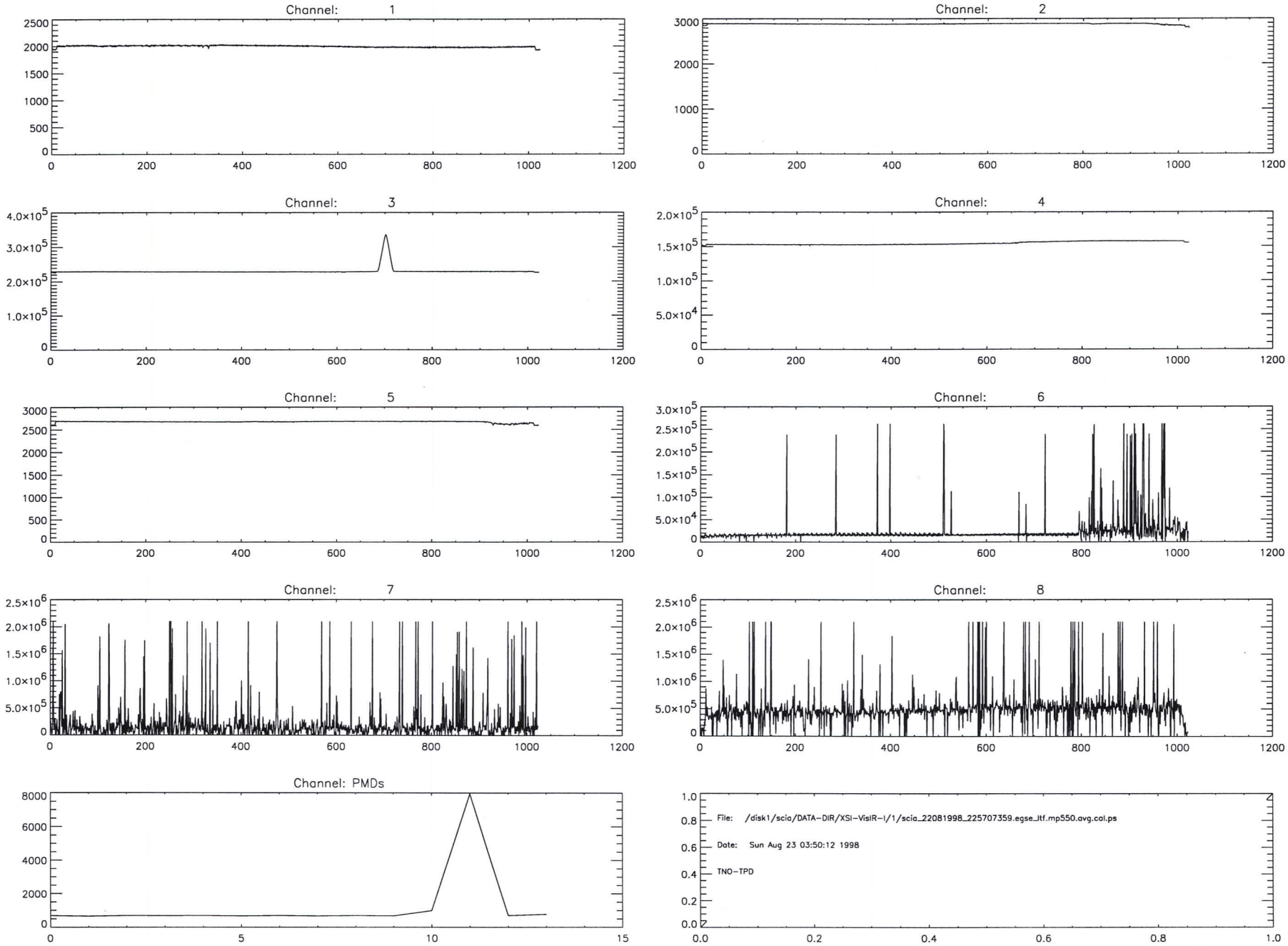
Control file

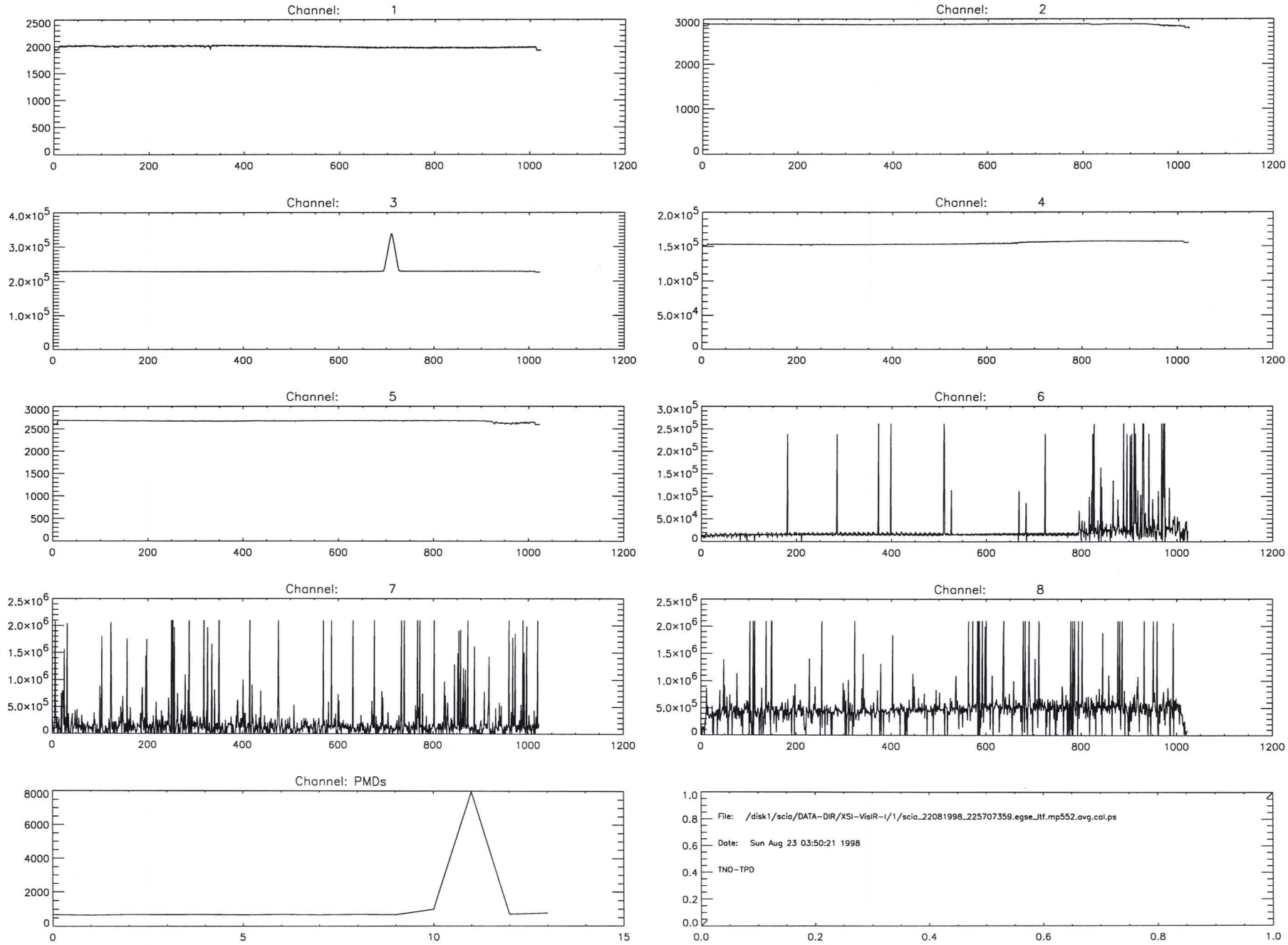
Construct `control-file` in dir. <DIR-NAME> where each line is of the form `<l1> <l2> <darkname>` (meaning that file `<darkname>` is to be used as dark measurement for monochromator outputs with wavelength `M` such that `<l1> <= M <= <l2>`).

	`lpr -P<printer> <DIR-NAME>/control-file` Add `control-file` to logbook, done	(Y) / N	
Run XSI	`idl do_xsi`	2 ←	
Check XSI	`ls -l *.data` Size of file `<D>.du*.cal.data`	145,9 kr	In DATA-DIR window
Check XSI visually	`idl do_xsi_processing`	? val 1 val d.i.	In IDL window
	`lpr -P<printer> *.data.ps`		In DATA-DIR window
	Value of XSI resembles expected XSI (see [Predicted PFMcalibration results])?	Y / N	
	Add postscript images to logbook, done	Y / N	
Print logfiles	`lpr -P<printer> *.data.log`		
	Add logfiles to logbook, done	(Y) / N	
Back up	Create 3 sets of backup CDs of directory <DIR-NAME> (One CD has a capacity of 600 Mbytes, the UNIX command `/usr/bin/du -k .` gives the number of kilo bytes in the current directory). Name of backup CDs	46 Mbyte.	See analysis sheet BackUp
Sign:	Name	BZW	
	Date and time	22-8	
	Signature		

CD
230 sgd B


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/XSI-VisIR-1/1/scia_22081998_225707359.egse_ltf.du1.avg.col.ps
Date: Sun Aug 23 03:50:03 1998
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/XSI-VisIR-1/1/scia_22081998_225707359.egse_itf.mp550.avg.cal.ps
Date: Sun Aug 23 03:50:12 1998
TNO-TPD

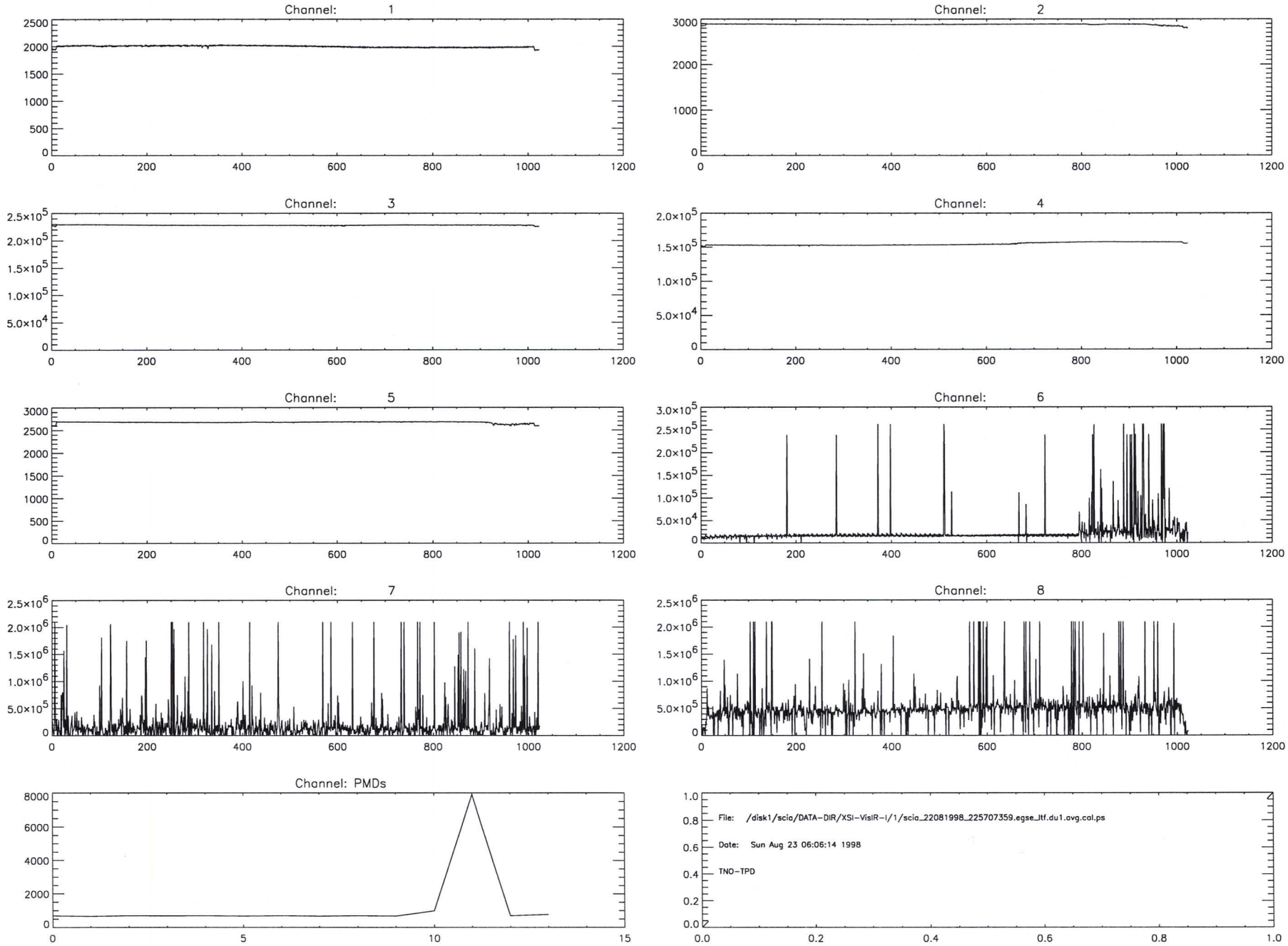

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/XSI-VisIR-1/1/scia_22081998_225707359.egse_ltf.mp552.avg.cal.ps
Date: Sun Aug 23 03:50:21 1998
TNO-TPD

```
time       = Sun Aug 23 03:50:03 1998
batch      = du1
Start TOD = Sat 22-Aug-98 22:57:18
End   TOD = Sat 22-Aug-98 22:58:53
Processing= computation of average, standard dev. and rel.standard dev.
```

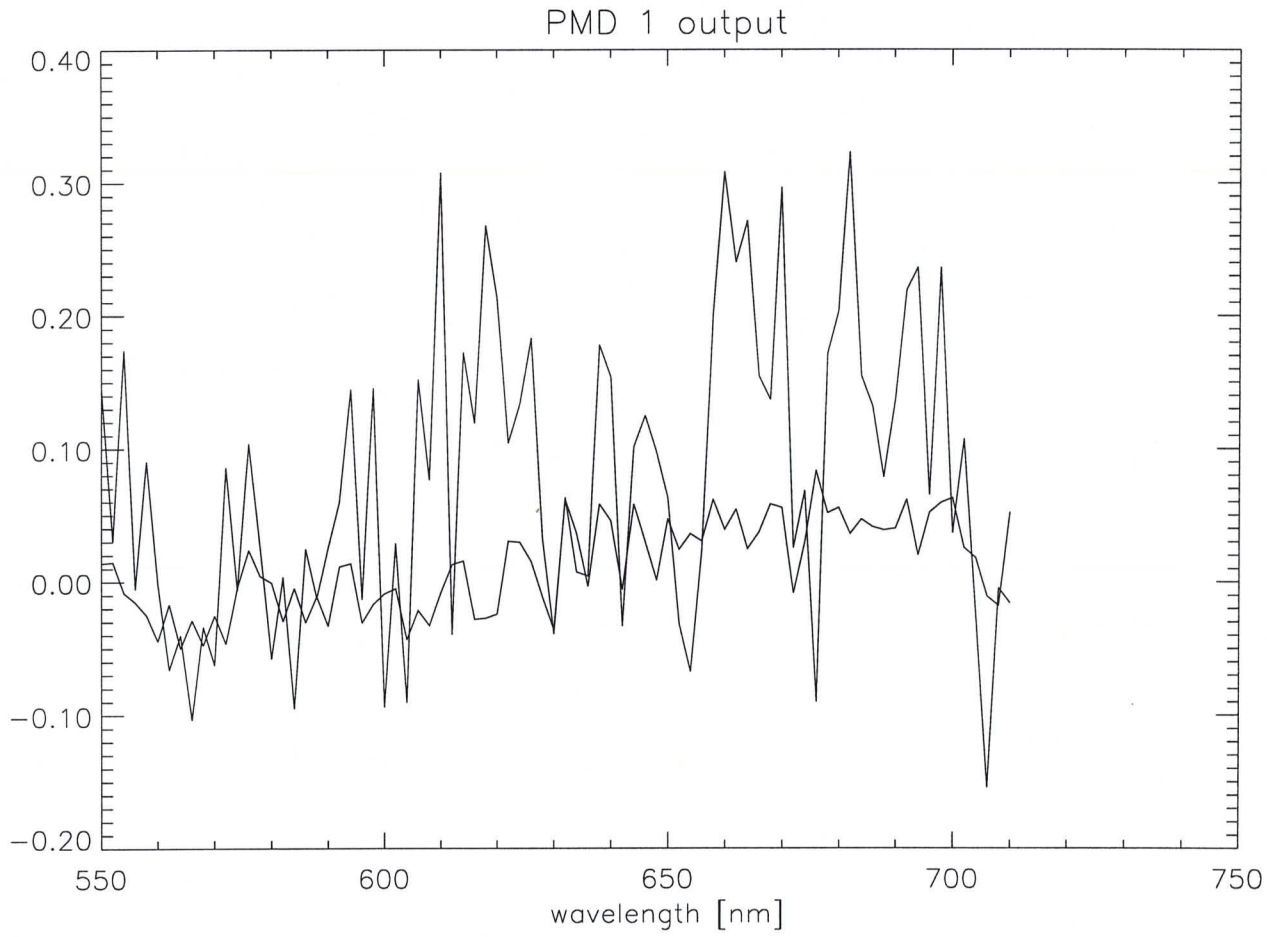
```
time       = Sun Aug 23 04:00:57 1998
batch      = du2
Start TOD = Sun 23-Aug-98 01:08:30
End   TOD = Sun 23-Aug-98 01:09:18
Processing= computation of average, standard dev. and rel.standard dev.
```

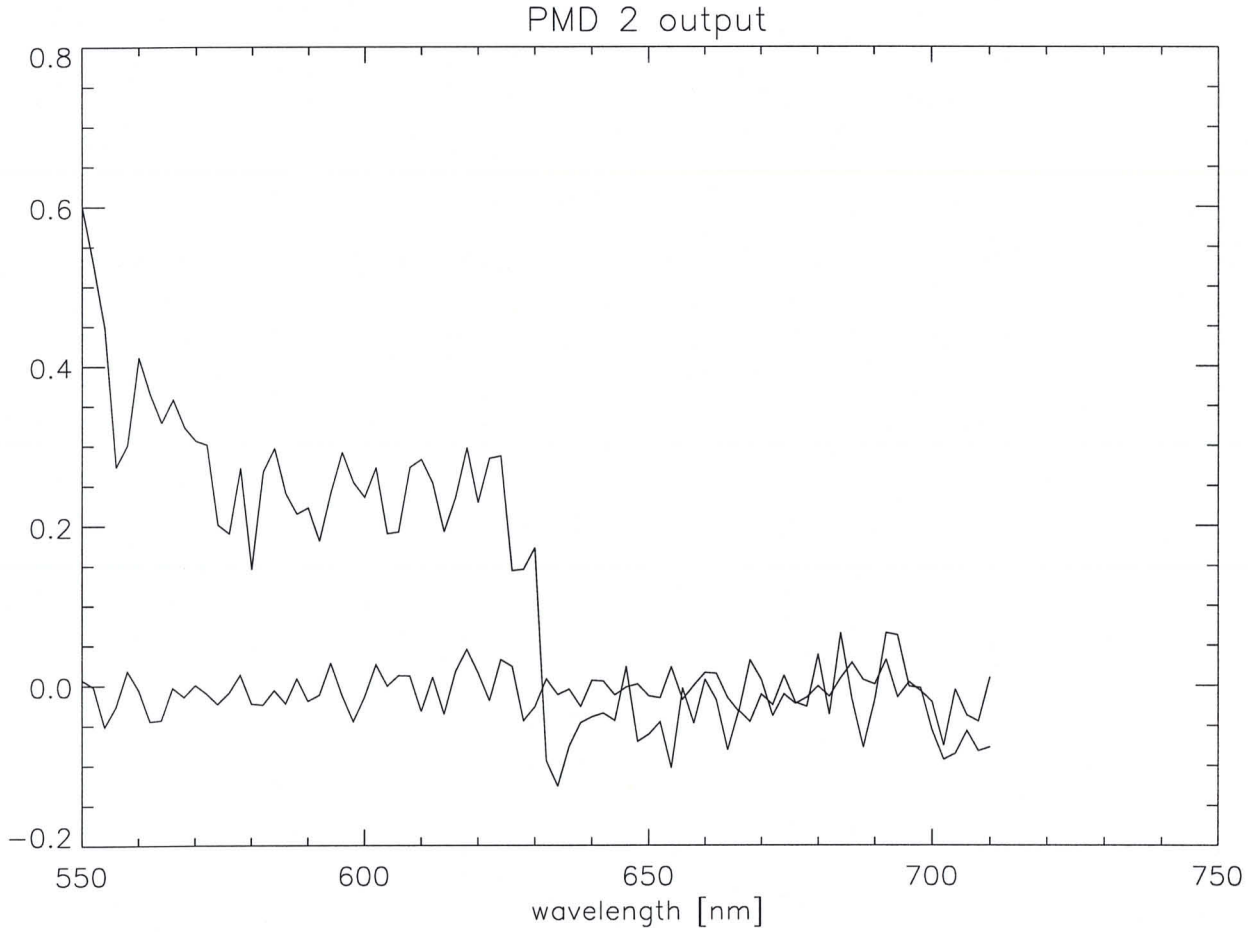
```
time       = Sun Aug 23 03:50:12 1998
batch      = mp550
Start TOD = Sat 22-Aug-98 22:58:53
End   TOD = Sat 22-Aug-98 23:00:26
Processing= computation of average, standard dev. and rel.standard dev.
```

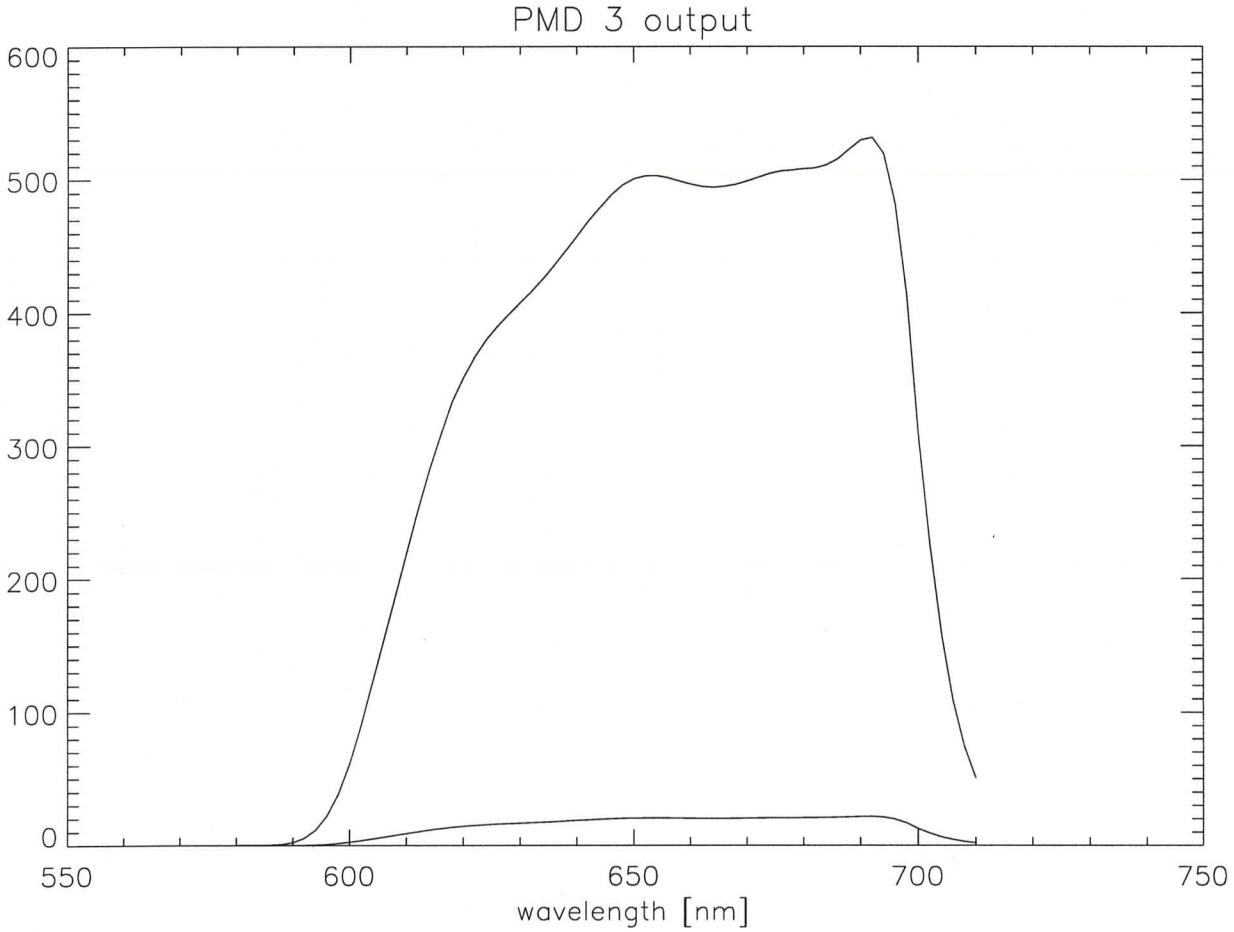
```
time       = Sun Aug 23 03:50:22 1998
batch      = mp552
Start TOD = Sat 22-Aug-98 23:00:26
End   TOD = Sat 22-Aug-98 23:02:00
Processing= computation of average, standard dev. and rel.standard dev.
```

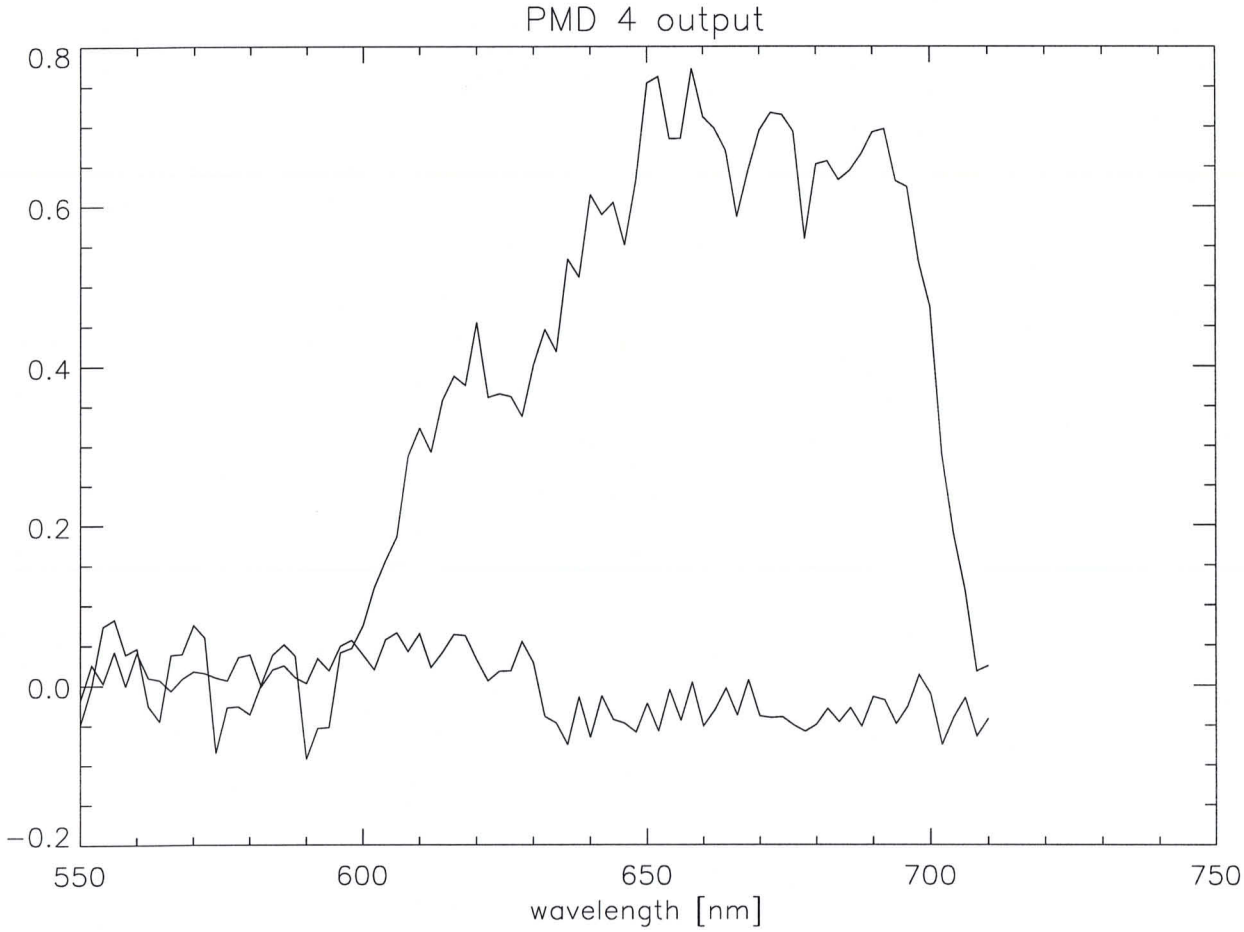

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/XSI-VisIR-1/1/scia_22081998_225707359.egse_ltf.du1.avg.cal.ps
Date: Sun Aug 23 06:06:14 1998
TNO-TPD

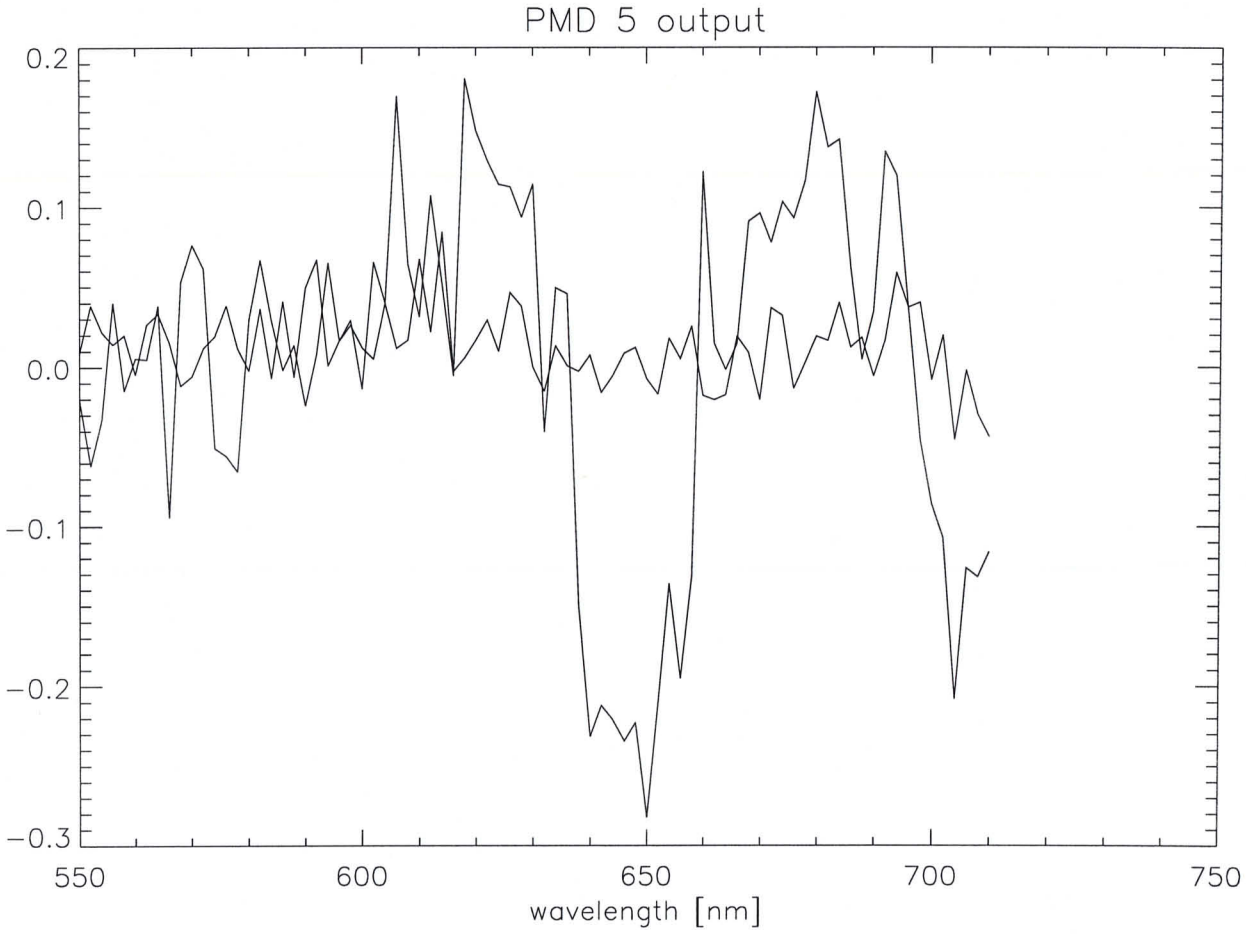
550 / 710

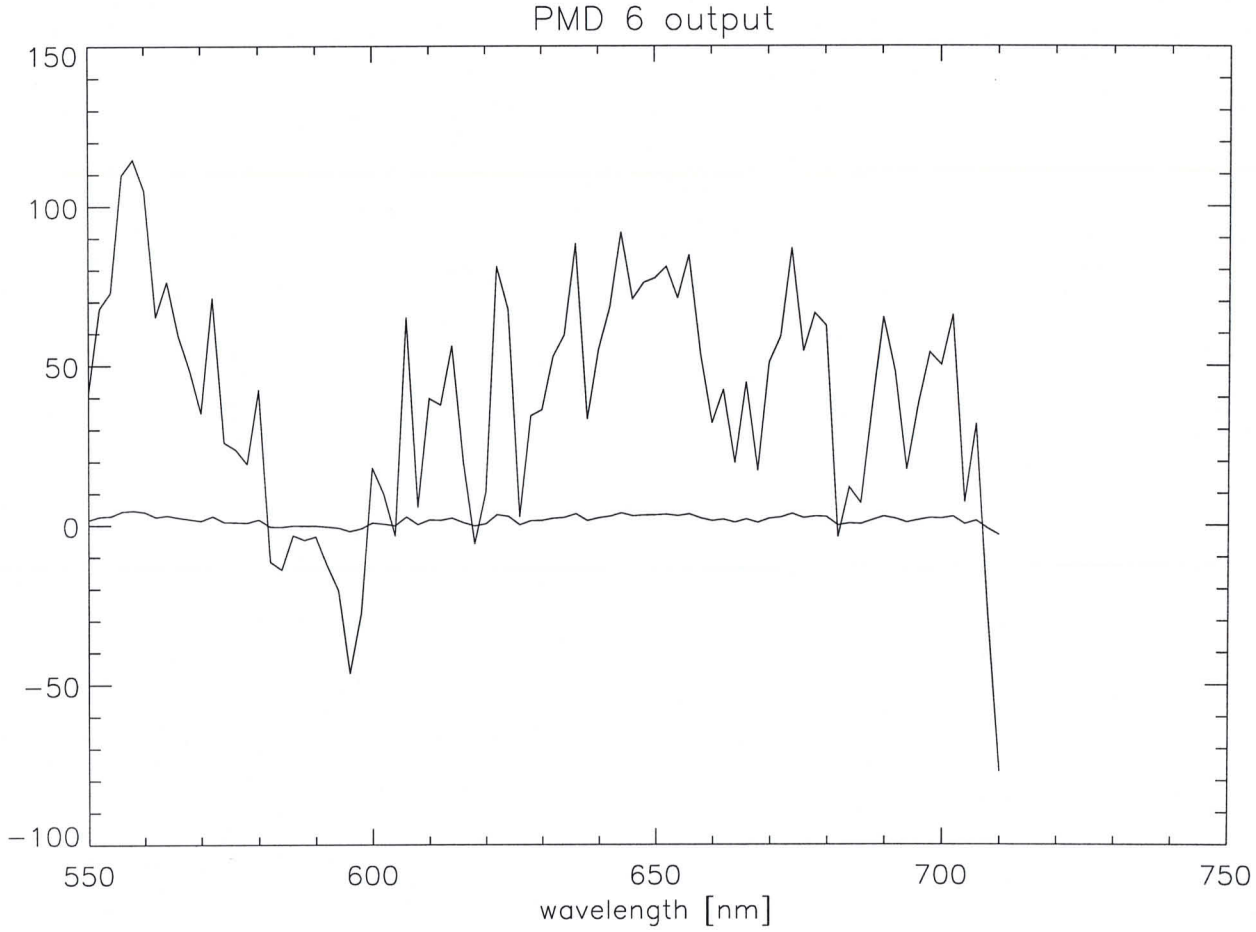

PMD 1 output
0.40
0.30
0.20
0.10
0.00
−0.10
−0.20
550
600
650
700
750
wavelength [nm]


PMD 2 output
0.8
0.6
0.4
0.2
0.0
−0.2
550
600
650
700
750
wavelength [nm]

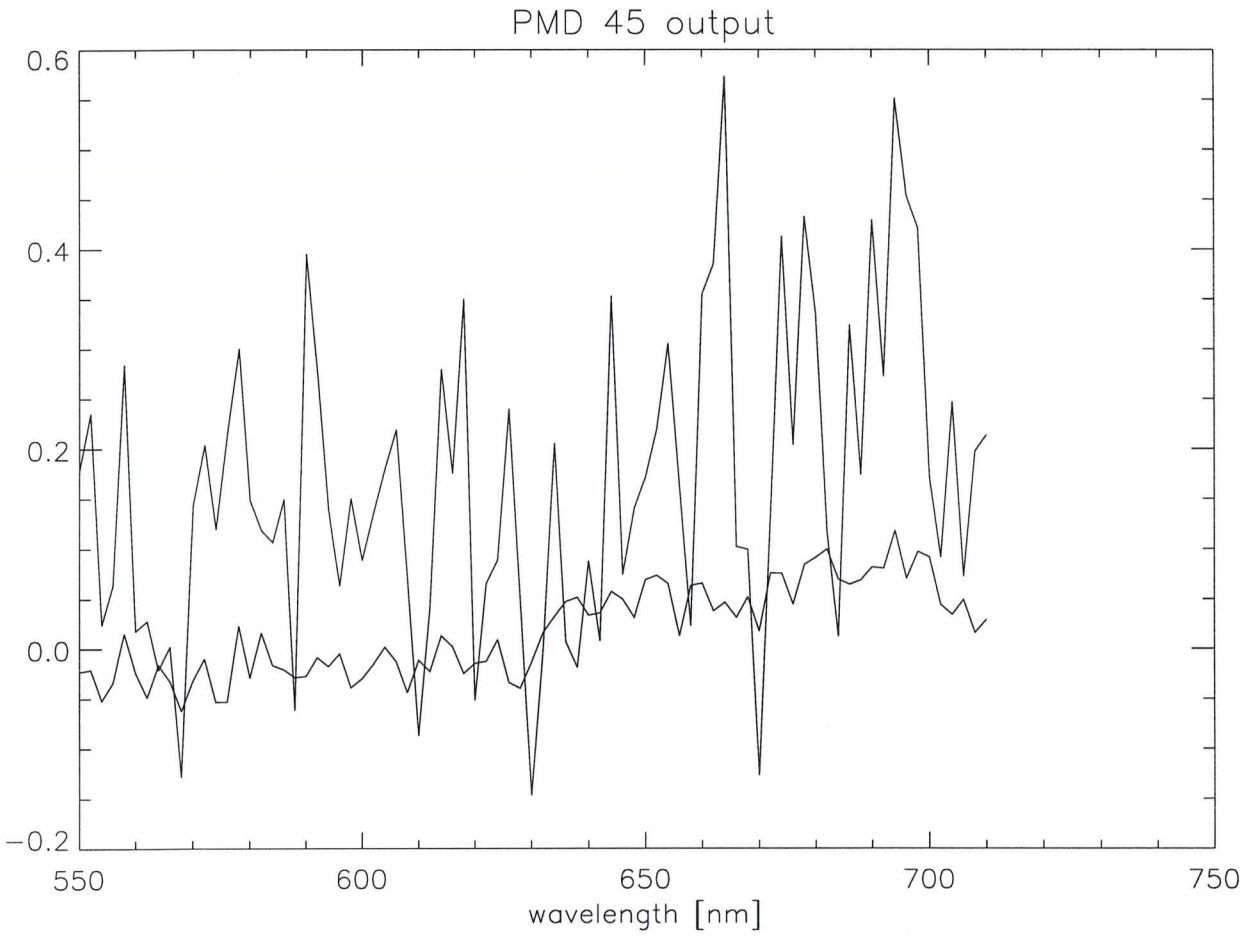

PMD 3 output
600
500
400
300
200
100
0
550
600
650
700
750
wavelength [nm]

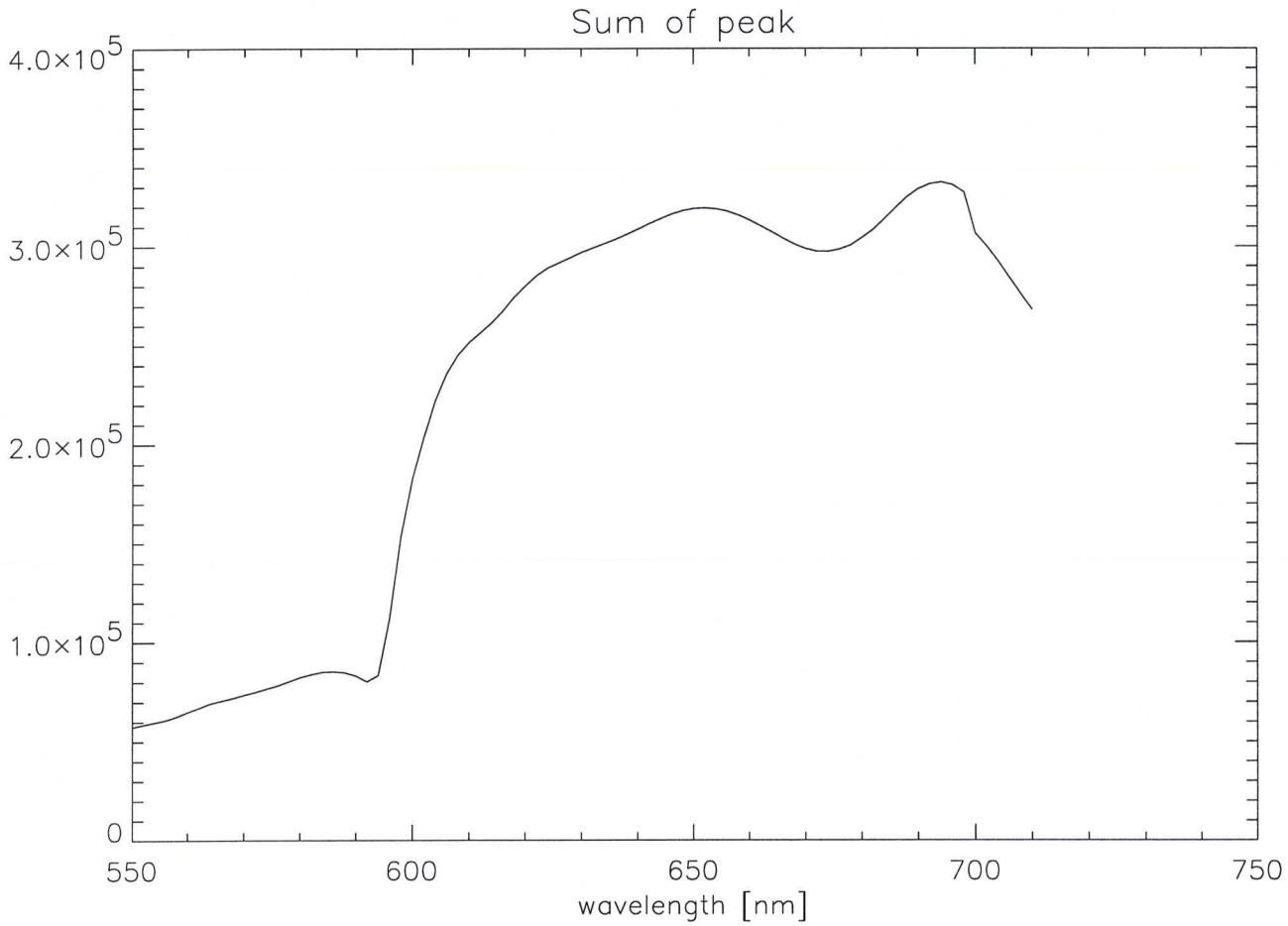

PMD 4 output
0.8
0.6
0.4
0.2
0.0
−0.2
550
600
650
700
750
wavelength [nm]

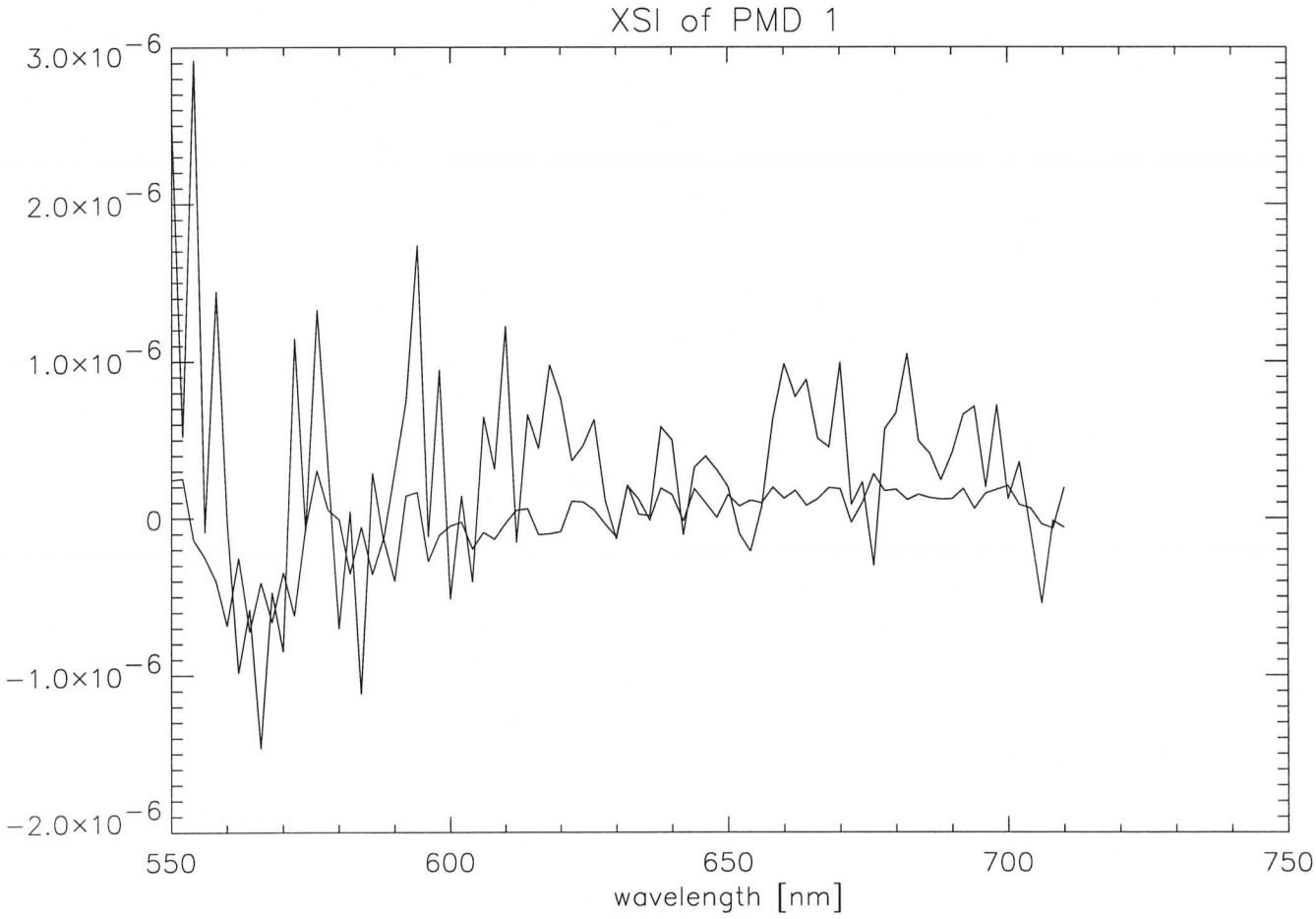

PMD 5 output
0.2
0.1
0.0
−0.1
−0.2
−0.3
550
600
650
700
750
wavelength [nm]


PMD 6 output
150
100
50
0
−50
−100
550
600
650
700
750
wavelength [nm]

550 to 710



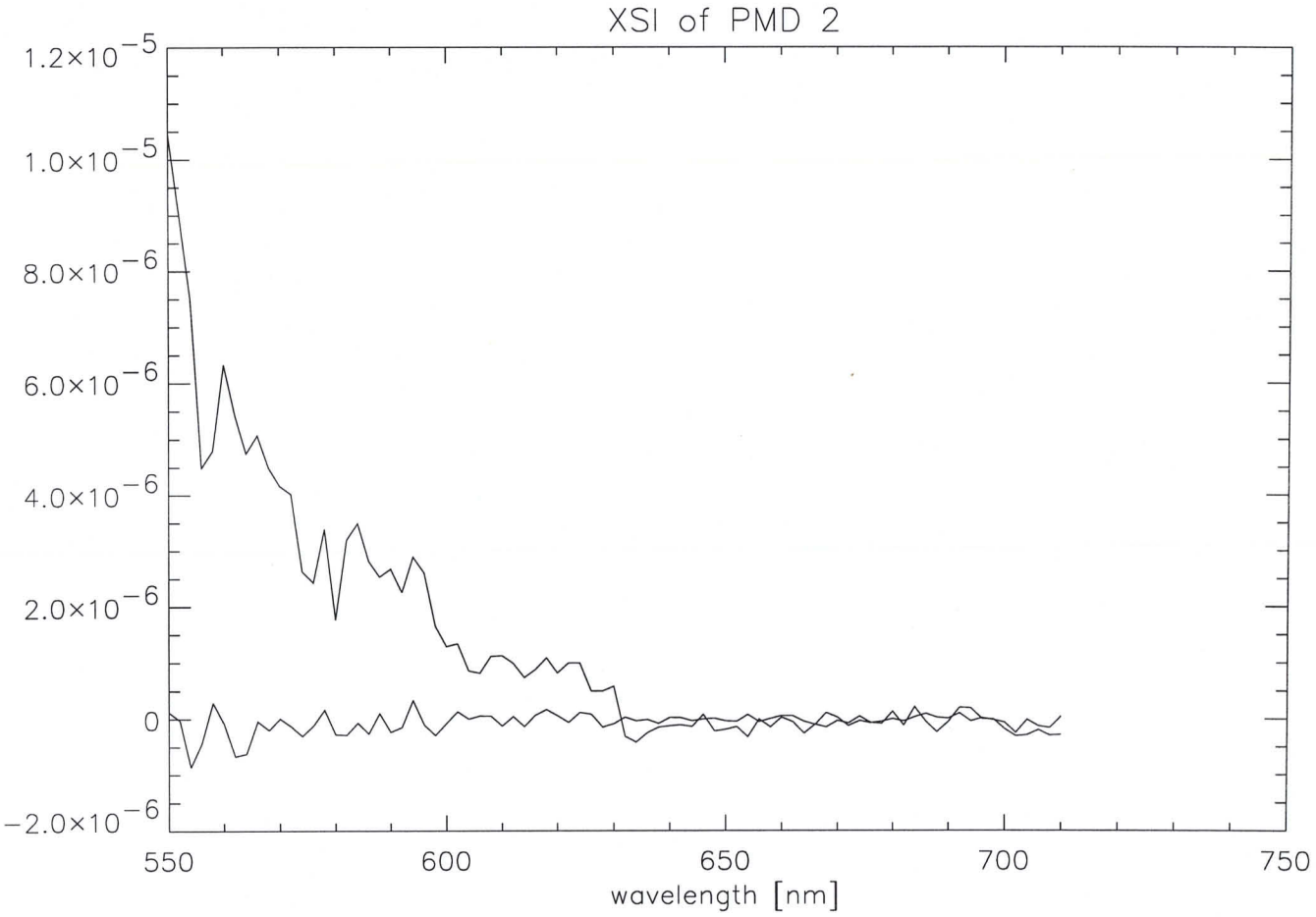

Sum of peak
4.0×10^5
3.0×10^5
2.0×10^5
1.0×10^5
0
550
600
650
700
750
wavelength [nm]



Chr.

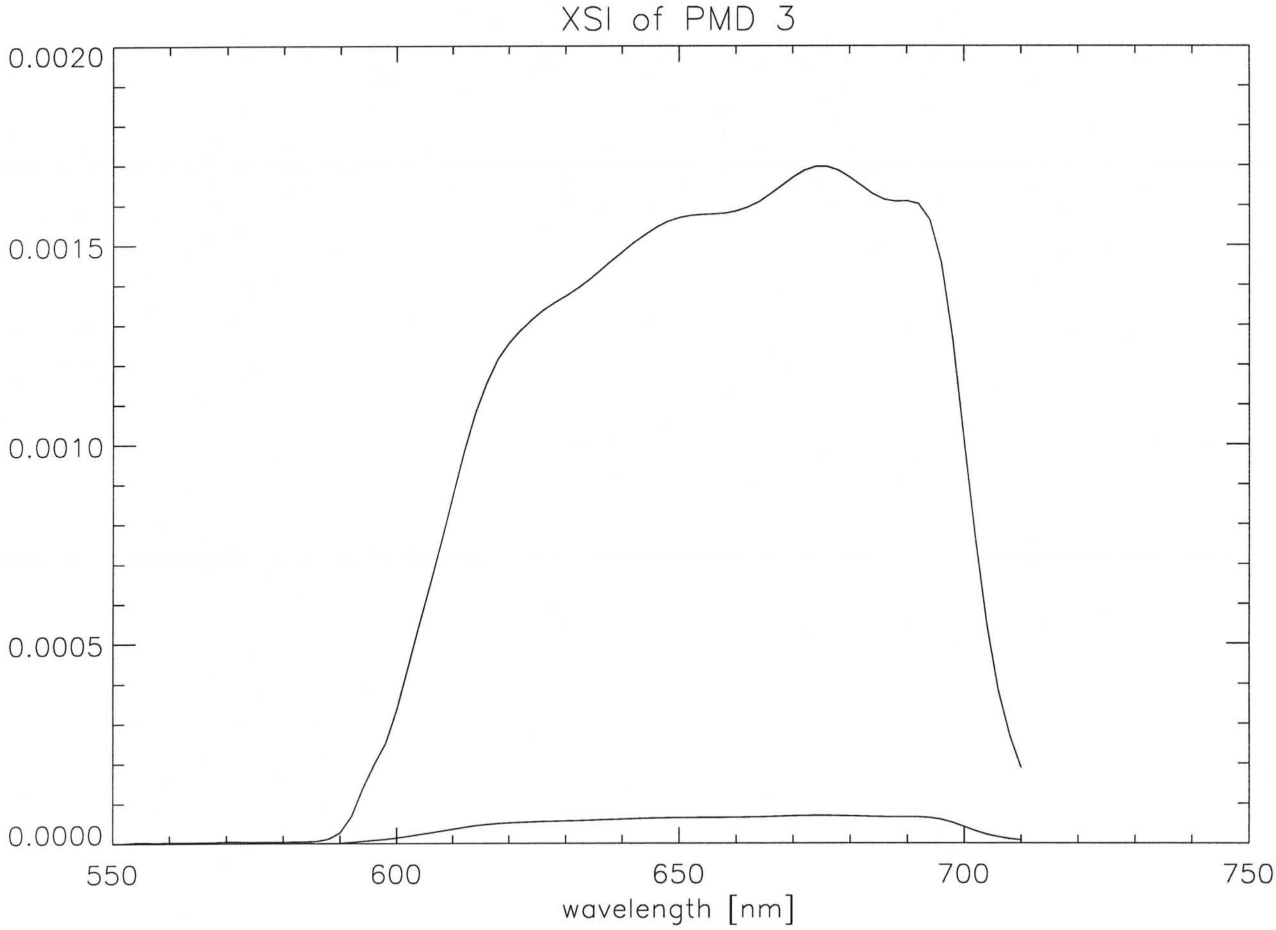
MD 14

550. – 710


XSI of PMD 2
1.2×10−5
1.0×10−5
8.0×10−6
6.0×10−6
4.0×10−6
2.0×10−6
0
−2.0×10−6
550
600
650
700
750
wavelength [nm]

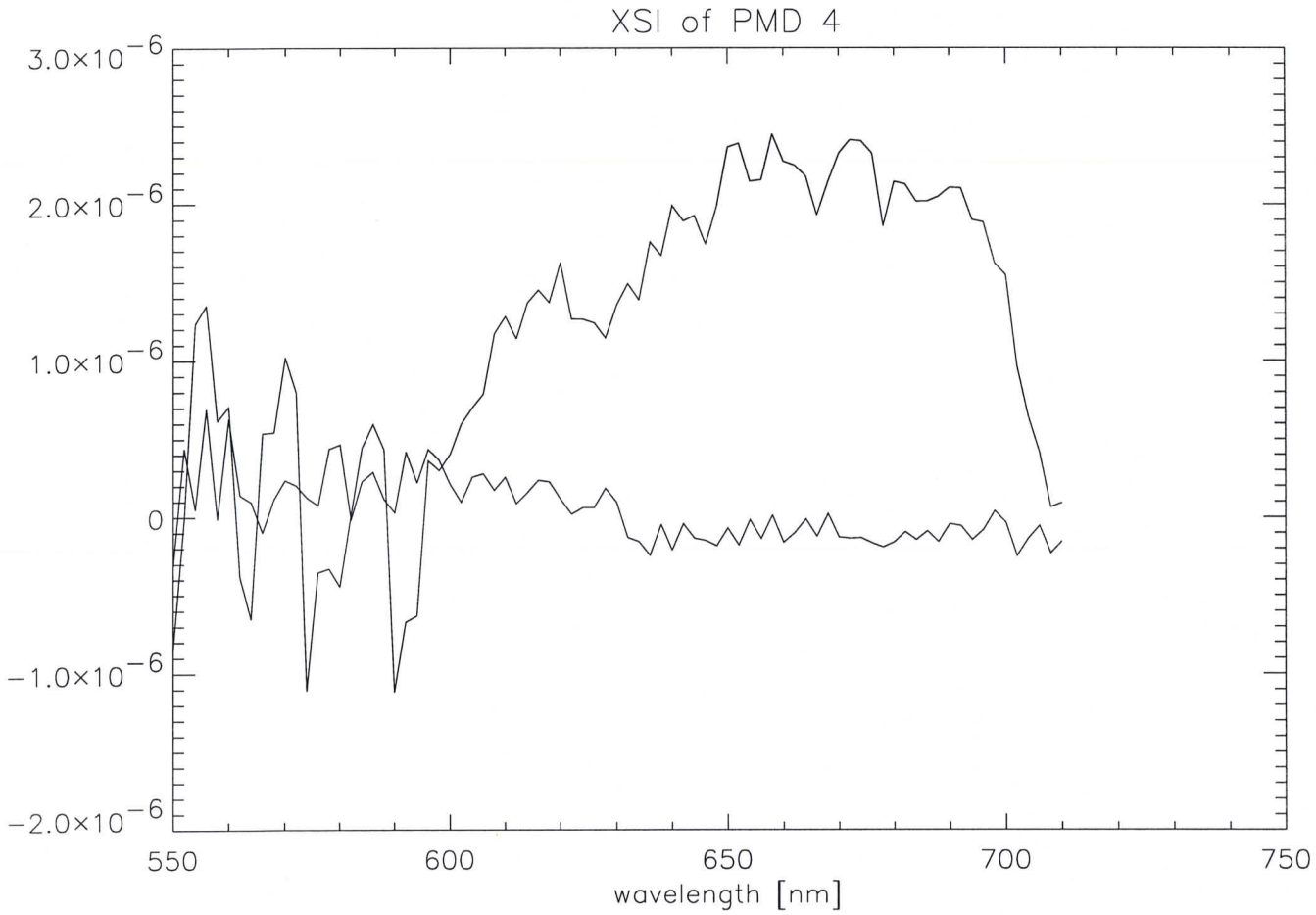
Oh₂

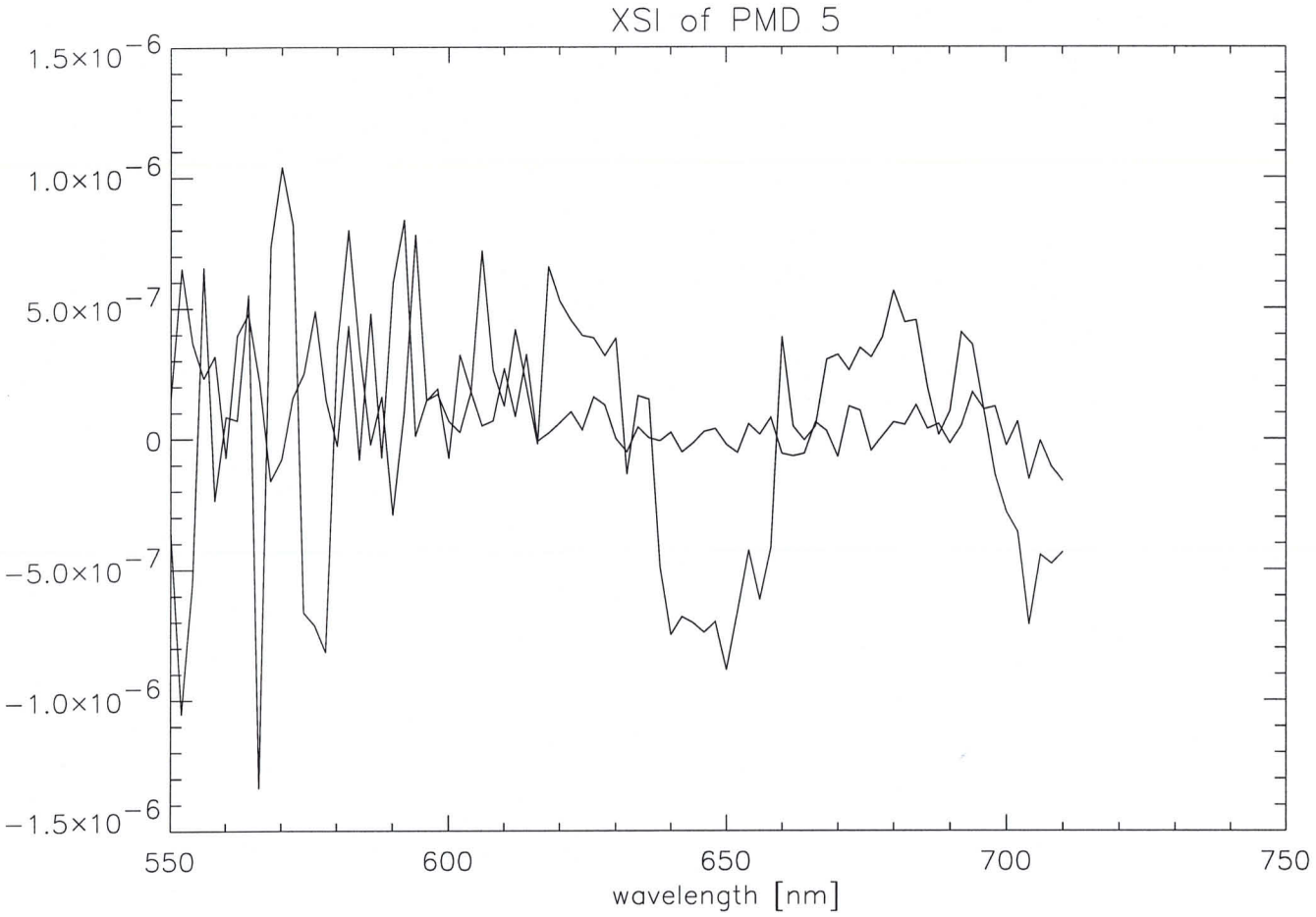
550 – 700

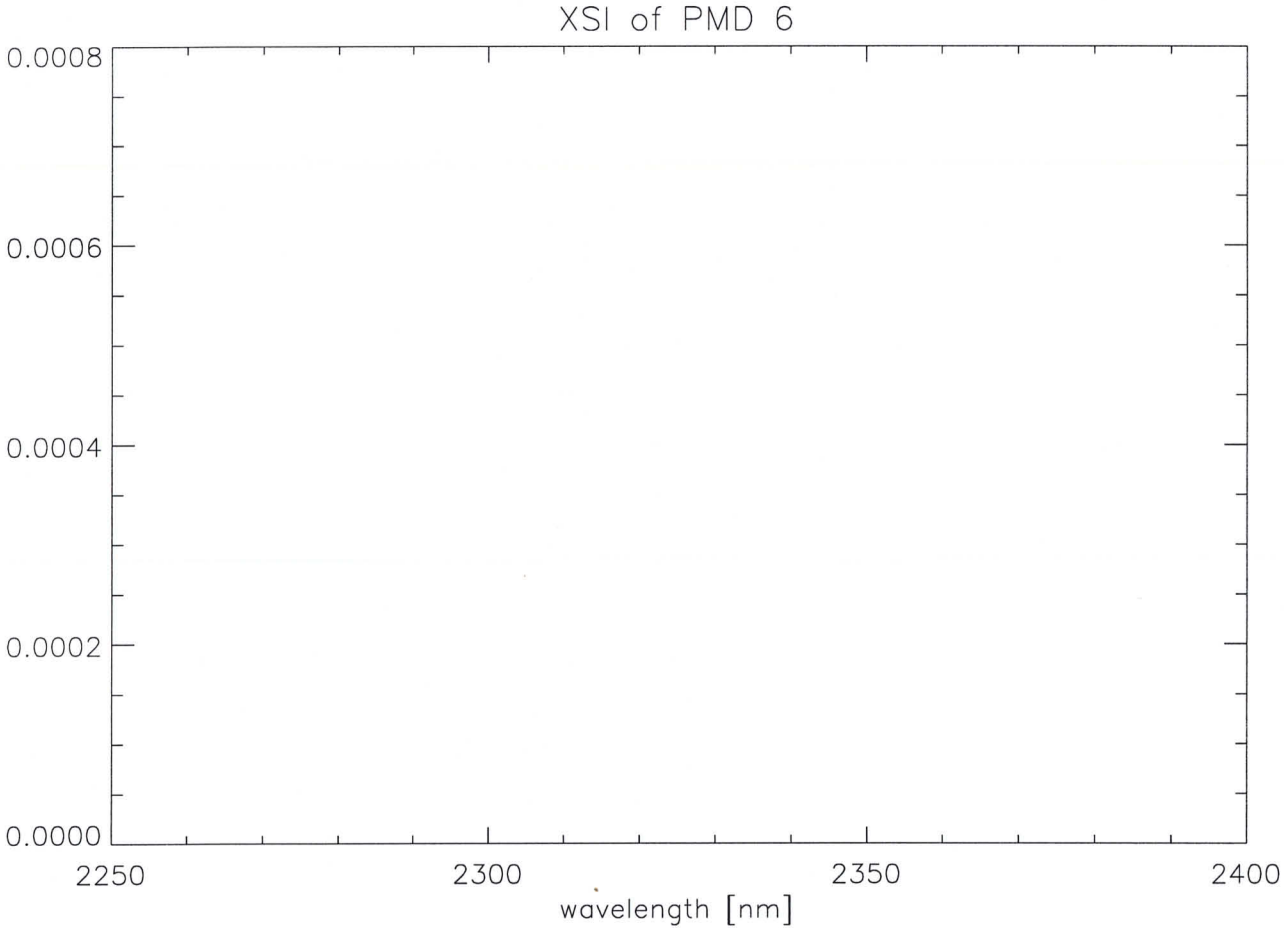


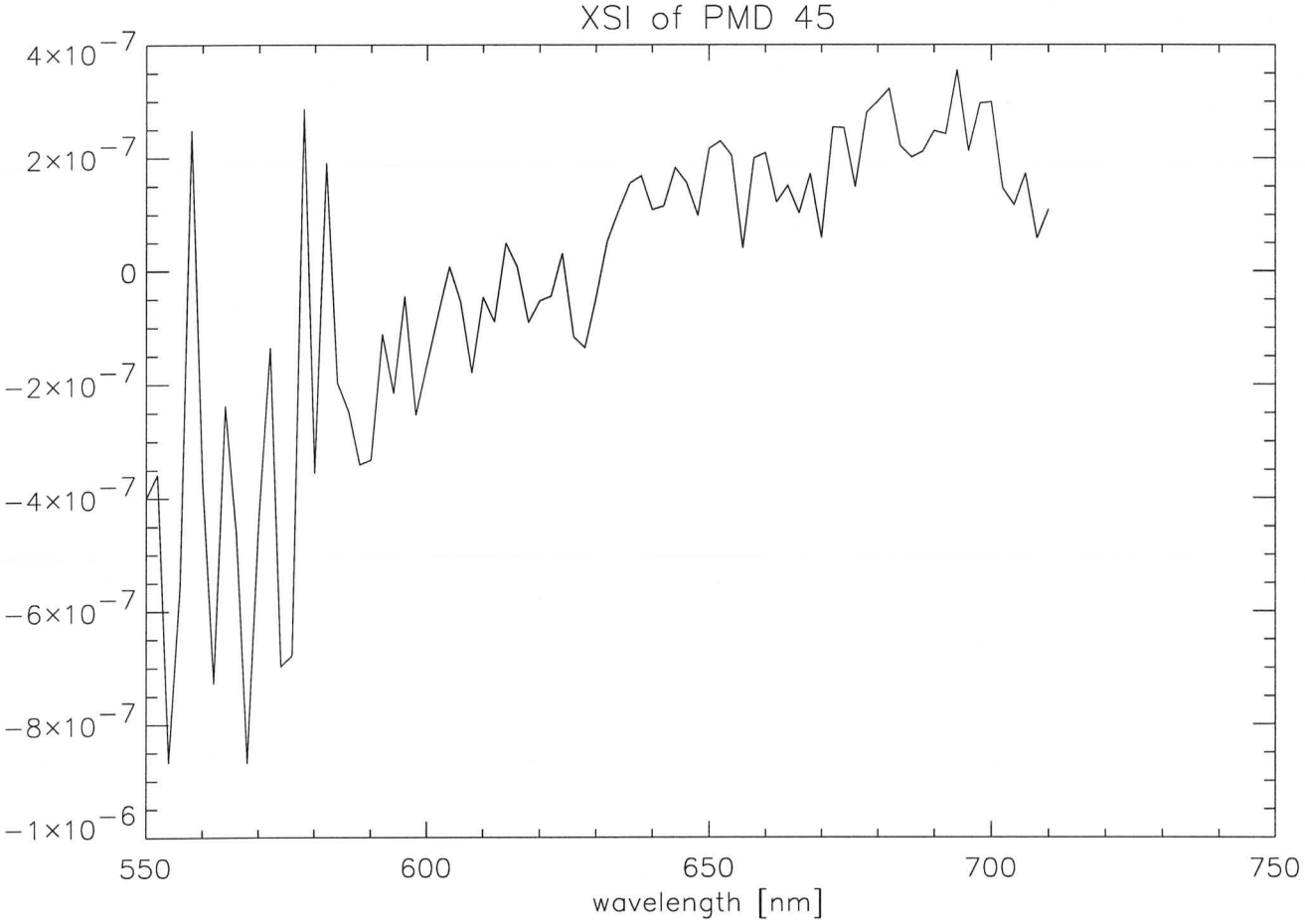
? waar is peak. 850 – 710

vast [illegible]


XSI of PMD 4
3.0×10−6
2.0×10−6
1.0×10−6
0
−1.0×10−6
−2.0×10−6
550
600
650
700
750
wavelength [nm]


XSI of PMD 5
1.5×10⁻⁶
1.0×10⁻⁶
5.0×10⁻⁷
0
−5.0×10⁻⁷
−1.0×10⁻⁶
−1.5×10⁻⁶
550
600
650
700
750
wavelength [nm]


XSI of PMD 6
0.0008
0.0006
0.0004
0.0002
0.0000
2250
2300
2350
2400
wavelength [nm]


XSI of PMD 45
4×10⁻⁷
2×10⁻⁷
0
−2×10⁻⁷
−4×10⁻⁷
−6×10⁻⁷
−8×10⁻⁷
−1×10⁻⁶
550
600
650
700
750
wavelength [nm]

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	BZW 23-8-98	
	Setup a three-window configuration on your SUN.		See course descr.

Let <F1> be a data file containing a XSI-UV *.data file (E.g., ~/DATA-DIR/XSI-UV-I/<number1>/<abc>.data)
Full path name of <F1>: scia_22081998_13475804g.egse_ltf_dwi_avg_pi_cal_data
I/2/ (F1)

Let <F2> be a data file containing a XSI-UV *.data file (E.g., ~/DATA-DIR/XSI-UV-II/<number2>/<abc>.data)
Full path name of <F2>: scia_22081998_12031911 0.egse_ltf_dwi_avg_pi_cal_data
II/3/ (F2)

Let <F3> be a data file containing a XSI-UV *.data file (E.g., ~/DATA-DIR/XSI-UV-III/<number3>/<abc>.data)
Full path name of <F3>: scia_22081998_16495490.egse_ltf_dwi_avg_pi_cal_data
III/1/ (F3)

Combine	idl do_xsi_combine_3	DATA-DIR/XSI-UV-I/2/scia_22081998_13475804g.egse_ltf_dwi_avg_pi_cal_data_combined.data	In IDL window
Inspect	ls -l <F1>.combined.data Size of <F1>.combined.data?	181.8Mb	In DATA-DIR window
Print logfiles	lpr -P<printer> *.data.log Add logfiles to logbook, done	Y / N	

Sign:	Name	BZW
	Date and time	23-8-98
	Signature	

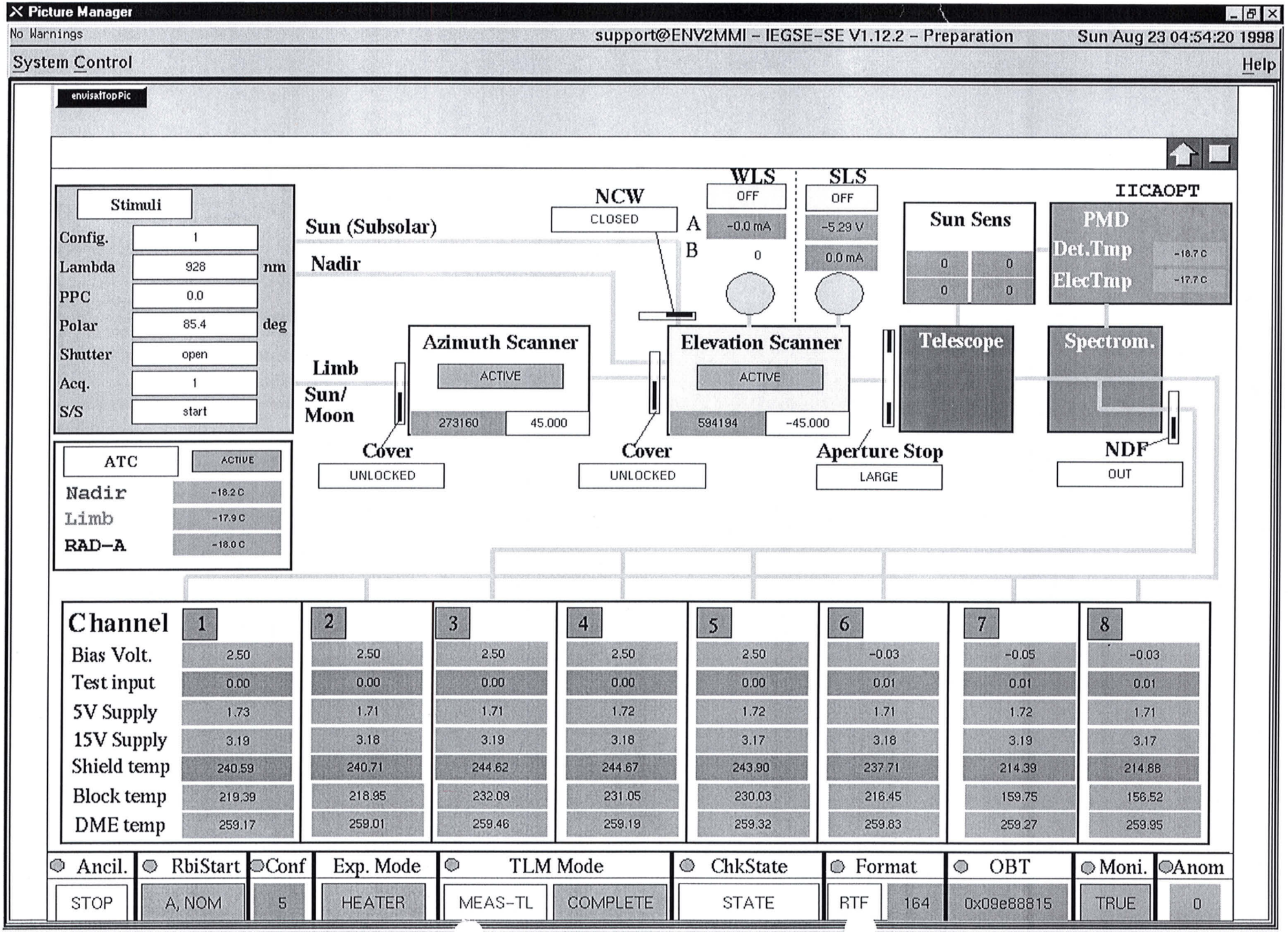
CD 230898B

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.du1.avg.p1.ca
 and

/disk1/scia/DATA-DIR/XSI-UV-II/3/scia_22081998_120319110.egse_ltf.du1.avg.p1.c
 and

/disk1/scia/DATA-DIR/XSI-UV-III/1/scia_22081998_164954940.egse_ltf.du1.avg.p1.
Action: Combined (simple concatenation)
Processing time: Sun Aug 23 07:31:35 1998
Output file name:
/disk1/scia/DATA-DIR/XSI-UV-I/2/scia_22081998_134758049.egse_ltf.du1.avg.p1.ca
```


Picture Manager
No Warnings
support@ENV2MMI – IEGSE-SE V1.12.2 – Preparation
Sun Aug 23 04:54:20 1998
System Control
Help
envisatTopPic
Stimuli
Config. 1
Lambda 928 nm
PPC 0.0
Polar 85.4 deg
Shutter open
Acq. 1
S/S start
ATC ACTIVE
Nadir -18.2 C
Limb -17.9 C
RAD-A -18.0 C
Sun (Subsolar)
Nadir
Limb
Sun/
Moon
NCW
CLOSED
WLS
OFF
A -0.0 mA
B 0
SLS
OFF
-5.29 V
0.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -18.7 C
ElecTmp -17.7 C
Azimuth Scanner
ACTIVE
273160 45.000
Elevation Scanner
ACTIVE
594194 -45.000
Telescope
Spectrom.
Cover
UNLOCKED
Cover
UNLOCKED
Aperture Stop
LARGE
NDF
OUT
Channel 1 2 3 4 5 6 7 8
Bias Volt. 2.50 2.50 2.50 2.50 2.50 -0.03 -0.05 -0.03
Test input 0.00 0.00 0.00 0.00 0.00 0.01 0.01 0.01
5V Supply 1.73 1.71 1.71 1.72 1.72 1.71 1.72 1.71
15V Supply 3.19 3.18 3.19 3.18 3.17 3.18 3.19 3.17
Shield temp 240.59 240.71 244.62 244.67 243.90 237.71 214.39 214.88
Block temp 219.39 218.95 232.09 231.05 230.03 216.45 159.75 156.52
DME temp 259.17 259.01 259.46 259.19 259.32 259.83 259.27 259.95
Ancil. STOP
RbiStart A, NOM
Conf 5
Exp. Mode HEATER
TLM Mode MEAS-TL COMPLETE
ChkState STATE
Format RTF 164
OBT 0x09e88815
Moni. TRUE
Anom 0

Formal Run of Measurement

(Measurement ID) XI - 5

Request for Actual Status		(cross out entries that are **not** requested.)
Request for Modification		(fill in only entries to be modified)
Request for Run	X	(no entries = run based on actual default settings)

Scanner Positions

Azimuth	+45.000	deg
Elevation	-45.000	deg

314.2

Timeline for each Data Acquisition Period during Measurement

	1	2	3	4	5	6	7	8	9	10
State ID	21									
Repetitions	1									

State Parameters for States used in Timeline (State ID must be given)

Channel	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding
1a	64	1						
1b	64	1						
2b	64	1						
2a	64	1						
3	64	1						
4	0.25	64						
5	64	1						
6	16	4						
7	2	32						
8	2	32						
State ID								

canceled

cause ch6 is at 1060 in saturation probably because only 1 dif is used. →

read logsheets

Stimuli Settings for Existing Blocks in Measurement

Block No	Stimuli Setup ID	PPC [deg]	Polarizer [deg]	Shutter open/close	Acquisition Time [s]	Lambda [nm] Start	Stop	Step	Repetition Factor	Message	OS Setup Time [s]
1	1	0.0	85.4	CLOSE	1	690	690	0	1	OV1	50
2	1	0.0	85.4	OPEN	1	690	690	0	1	MP~	8
3	1	0.0	85.4	OPEN	1	692	1260	2	1	MP~	3
4	1	0.0	85.4	CLOSE	1	1260	1260	0	1	OV2	8

start

6.50 UTC

canceled.

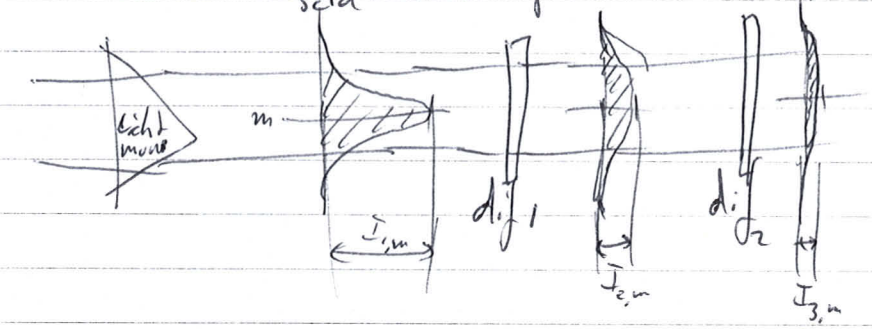
Measurement Data Description

Test Purpose	UID 14
Remark	
Data Directory	

Signatures

	Date	Signature
Issued	23/8/98	
< Performed	23/8/98	

LOG SHEET SCHIAMACHY CALIBRATION

Date/Time	Description of action	Measurement directory
23/08 6.50 UTC	Xsi – 5 canceled. WAAROM? ⇒ Op quicklook (met correctie voor Coadd aan) duidelijk te zien dat ch6 zwaar in verzadiging zit bij $\lambda = 1060$ nog meer bij 1075 ← toen stop gezet. eerst State-optimization gedraait om juiste PET$_{ch6}$ te vinden. → Dit is waarschijnlijk het gevolg van de keuze voor 1 dij in plaats van 2 signaal neemt zeker in midden FOV$_{scia}$ met factor 2 à 3 toe. zie tekening.  $I_1 < I_2 < I_3$ x ?a3? ← factor hangt af van FOV$_{scia}$. ~~verstrooiing~~ Hiervan geprobeerd via State optimize juiste PET valt niet mee te vertrouwen because... Quicklook valt weg na 1/2 knoppen te gebruiken om data te bekijken. Dus →	

LOG SHEET SCHIAMACHY CALIBRATION

Date/Time	Description of action	Measurement directory
23/8	PMS → ΔX ≥ 50 Zeer krachtig. Formaat vuns gemaakt en deze belichten met Solar. → 1e run heet ipv UID14 → TEST14-1 Hier uit bleek 4 mag omhoog ↑. 5 moet omlaag ↓ 6 moet omlaag ↓ data niet geanalyseerd wel opgeslagen in /DATA-DIR/XSI-VisIRAII/1 2e run heet ipv UID14 → TEST14-2 ↑ na deze vuns PET's aangepast	
23/8 10.10 UTC	start. Xsi-5 met aangepaste PET's → dit is dus de. format vuns. step 14-2 UID 14	

State Optimisation of State

(State ID) 21

Scanner Positions

Azimuth	145	deg
Elevation	-45	deg

Parameters for State

Channel	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding
1a	64	1	64	1								
1b	64	1	64	1								
2b	64	1	64	1								
2a	64	1	64	1								
3	64	1	64	1								
4	0.25	64	0.25	1								
5	64	1	64	1								
6	4	16	16	1								
7	2	32	2	1								
8	2	32	2	1								

Stimuli Settings

Stimuli Setup ID	PPC [deg]	Polarizer [deg]	Shutter open/close	Acquisition Time [s]	Lambda [nm]	Repetion Factor	Message	OS Setup Time [s]
1	0	85.4	0	1	1075	1 ~~995~~	wpn	1

Valt niet mee te werken → quick look valt weg !!

Description of Variation

search for proper Pet chan 6 with one diffuser

Measurement Data Handling / Description

No recording	Quicklook only	Quicklook & CD Recording
X	X	

Test Purpose: Pet chan 6

Remark: NB1_5

Data Directory:

Signatures

	Date	Signature
Issued	23-8	
Performed	23-8	Roman

Formal Run of Measurement

(Measurement ID) X1-5

Request for Actual Status		(cross out entries that are **not** requested.)
Request for Modification		(fill in only entries to be modified)
Request for Run	X	(no entries = run based on actual default settings)

Scanner Positions

Azimuth	+45.000	deg
Elevation	-45.000	deg

TEST 14-1

Timeline for each Data Acquisition Period during Measurement

	1	2	3	4	5	6	7	8	9	10
State ID	21									
Repetitions	1									

State Parameters for States used in Timeline (State ID must be given)

Channel	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding
1a	64	1						
1b	64	1						
2b	64	1						
2a	64	1						
3	64	1						
4	925	1						
5	64	1						
6	4	1						
7	2	1						
8	2	1						
State ID								

Test run. met goede stappen.

ook ch 5 in verzadiging!

↳ Doel: betrijk. Data met Solan om PET te vinden.

Stimuli Settings for Existing Blocks in Measurement

Block No	Stimuli Setup ID	PPC [deg]	Polarizer [deg]	Shutter open/close	Acquisition Time [s]	Lambda [nm] Start	Stop	Step	Repetition Factor	Message	OS Setup Time [s]
1	1	0.0	85.4	Close	1	640	690	0	1	DU1	
2	1	0.0	85.4	Open	1	640	690	0	1	mp~	
3	1	0.0	85.4	Open		690	1290	100	1	mp~	
4	1	0.0	85.4	Close	1	1290	1290	0	1	DU2	

TEST-RUN DATA-DIR/XS1-UVIS.UV-II/1

Measurement Data Description

Test Purpose	Search for Proper PETs 5:6
Remark	~~Test~~ Test 14-1
Data Directory	

Signatures

	Date	Signature
Issued	23/8/95	
< Performed		

8.40

Formal Run of Measurement

(Measurement ID) Xi - 5

Request for Actual Status		(cross out entries that are **not** requested.)
Request for Modification		(fill in only entries to be modified)
Request for Run	x	(no entries = run based on actual default settings)

Scanner Positions

Azimuth	+45	deg
Elevation	-45	deg

TEST-RUN. not analysed.

Timeline for each Data Acquisition Period during Measurement

	1	2	3	4	5	6	7	8	9	10
State ID	21									
Repetitions	1									

State Parameters for States used in Timeline (State ID must be given)

/ISI_VisIR_II/2.

Channel	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding
1a	64	1						
1b	64	1						
2b	64	1						
2a	64	1						
3	64	1						
4	0,5	64						
5	4	16						
6	0,5	64						
7	2	32						
8	2	32						
State ID								

- peak 1 x10^6 ohne.
- vergrößern bis 950 nm.
- peak strich bis 1100 ↓
- platte peak 3 pixel up 1x10^6

↓

doch mean von 2

ch 6 calc von 6,25

Stimuli Settings for Existing Blocks in Measurement

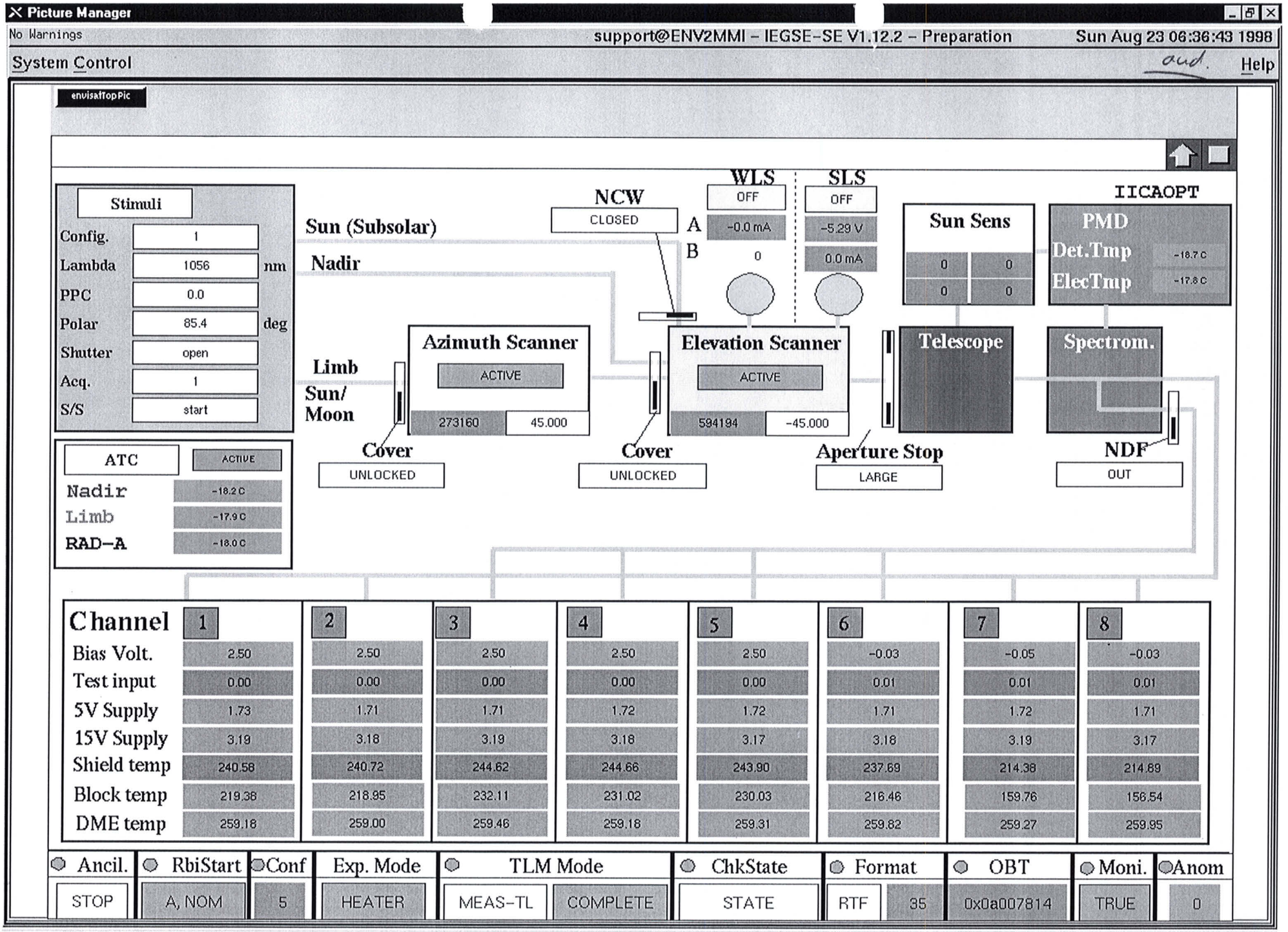
Block No	Stimuli Setup ID	PPC [deg]	Polarizer [deg]	Shutter open/close	Acquisition Time [s]	Lambda [nm] Start	Stop	Step	Repetition Factor	Message	OS Setup Time [s]
1	1	0,0	85,4	close	1	650	650	0	1	DU1	50
2	1	0,0	85,4	open	1	650	650	0	1	MP~	8
3	1	0,0	85,4	open	1	650	1250	50	1	MP~	3
4	1	0,0	85,4	close	1	1250	1250	0	1	DU2	8

Measurement Data Description

Test Purpose	Search for proper PETs start
Remark	Test 14 - 2
Data Directory	

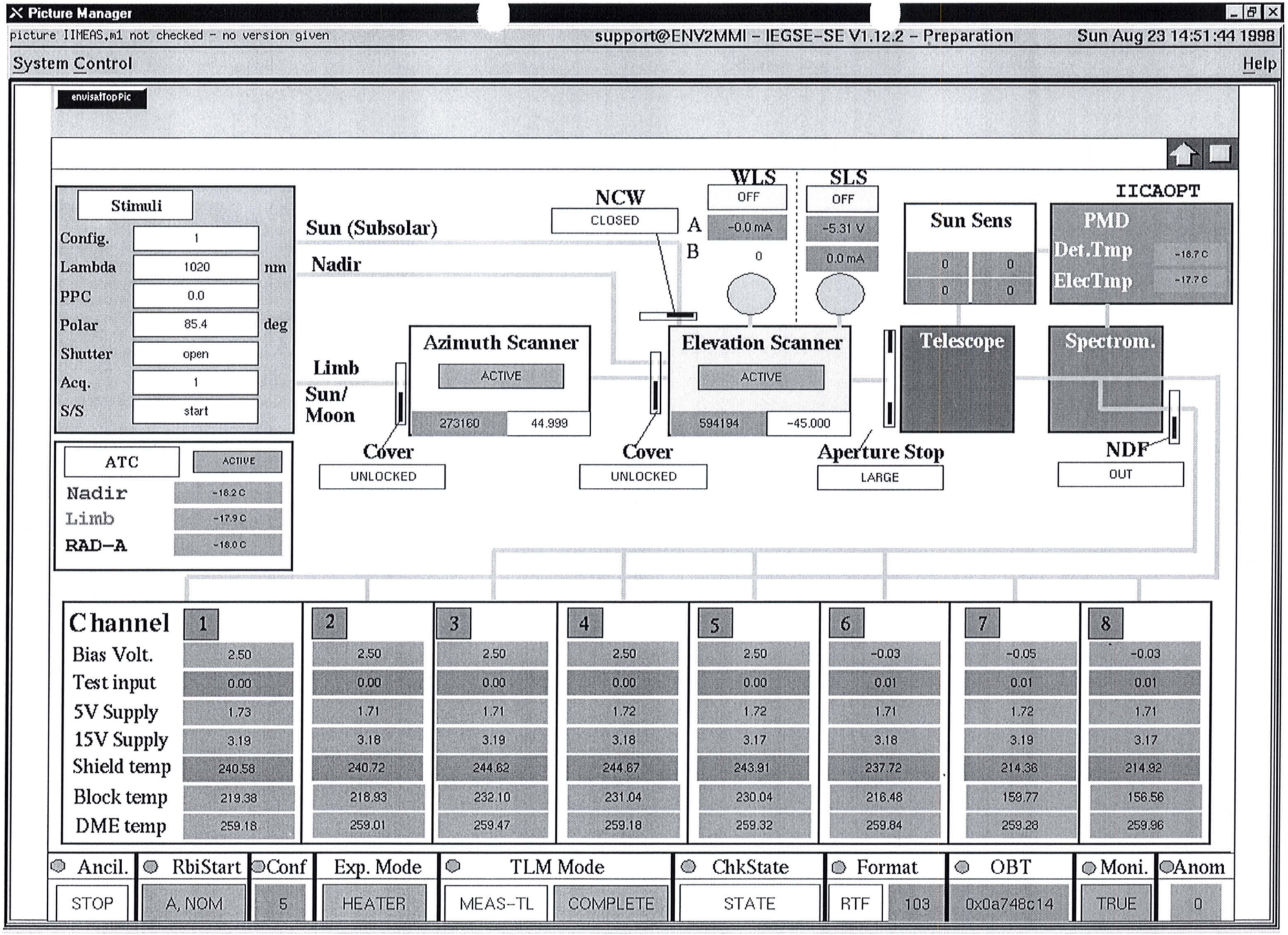
Signatures

	Date	Signature
Issued	23/9/98	
< Performed		


Picture Manager
No Warnings
support@ENV2MMI – IEGSE-SE V1.12.2 – Preparation
Sun Aug 23 06:36:43 1998
System Control
Help
envisatTopPic
Stimuli
Config. 1
Lambda 1056 nm
PPC 0.0
Polar 85.4 deg
Shutter open
Acq. 1
S/S start
ATC ACTIVE
Nadir -18.2 C
Limb -17.9 C
RAD-A -18.0 C
Sun (Subsolar)
Nadir
Limb
Sun/ Moon
NCW
CLOSED
WLS
OFF
A -0.0 mA
B 0
SLS
OFF
-5.29 V
0.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -18.7 C
ElecTmp -17.8 C
Azimuth Scanner
ACTIVE
273160 45.000
Elevation Scanner
ACTIVE
594194 -45.000
Telescope
Spectrom.
Cover
UNLOCKED
Cover
UNLOCKED
Aperture Stop
LARGE
NDF
OUT
Channel 1 2 3 4 5 6 7 8
Bias Volt. 2.50 2.50 2.50 2.50 2.50 -0.03 -0.05 -0.03
Test input 0.00 0.00 0.00 0.00 0.00 0.01 0.01 0.01
5V Supply 1.73 1.71 1.71 1.72 1.72 1.71 1.72 1.71
15V Supply 3.19 3.18 3.19 3.18 3.17 3.18 3.19 3.17
Shield temp 240.58 240.72 244.62 244.66 243.90 237.69 214.38 214.69
Block temp 219.36 218.95 232.11 231.02 230.03 216.46 159.76 156.54
DME temp 259.18 259.00 259.46 259.18 259.31 259.82 259.27 259.95
Ancil. STOP
RbiStart A, NOM
Conf 5
Exp. Mode HEATER
TLM Mode MEAS-TL COMPLETE
ChkState STATE
Format RTF 35
OBT 0x0a007814
Moni. TRUE
Anom 0

LOG SHEET SCHIAMACHY CALIBRATION

Date/Time	Description of action	Measurement directory
24/8/98	Analysis Xi_5 finished. (690 – 1260 nm)	
	PMD output is not equal to zero for Ch 1, 2, 5, 6	
	PMD's 3, 4 and 7 (45 deg sensor) should give response.	
	Is signal in channels PMD 1, 2, 5 and 6 due to	
	filter leakage in PMD and/or monochromator?	
	Signals are quite low, but significant.	
	Xi_4 measurement (550 – 710) no significant signal	
	was present in Channel PMD 1, 2	
	Xsi's compared to predicted results.	
①	Xsi of PMD 1 very low (filter leakage, straylight, noise)	
②	" " PMD 2 very low (" " ")	
③	" " PMD according to Figure 29 predicted results	
→	amplitude ≈ 0,0016 ok	
→ ④	Xsi of PMD 4 according to figure 30 predicted results	
	amplitude ≈ 0,0040 ok	
	Shape also ok	
⑤	Xsi op PMD 5 very low (filter leakage, straylight, noise)	
⑥	Xsi not presented in predicted results	


Picture Manager
picture IIMEAS.m1 not checked - no version given
support@ENV2MMI - IEGSE-SE V1.12.2 - Preparation
Sun Aug 23 14:51:44 1998
System Control
Help
envisatTopPic
Stimuli
Config. 1
Lambda 1020 nm
PPC 0.0
Polar 85.4 deg
Shutter open
Acq. 1
S/S start
ATC ACTIVE
Nadir -18.2 C
Limb -17.9 C
RAD-A -18.0 C
Sun (Subsolar)
Nadir
Limb
Sun/ Moon
NCW
CLOSED
WLS
OFF
A -0.0 mA
B 0
SLS
OFF
-5.31 V
0.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -18.7 C
ElecTmp -17.7 C
Azimuth Scanner
ACTIVE
273160 44.999
Elevation Scanner
ACTIVE
594194 -45.000
Telescope
Spectrom.
Cover
UNLOCKED
Cover
UNLOCKED
Aperture Stop
LARGE
NDF
OUT
Channel 1 2 3 4 5 6 7 8
Bias Volt. 2.50 2.50 2.50 2.50 2.50 -0.03 -0.05 -0.03
Test input 0.00 0.00 0.00 0.00 0.00 0.01 0.01 0.01
5V Supply 1.73 1.71 1.71 1.72 1.72 1.71 1.72 1.71
15V Supply 3.19 3.18 3.19 3.18 3.17 3.18 3.19 3.17
Shield temp 240.58 240.72 244.62 244.67 243.91 237.72 214.36 214.92
Block temp 219.38 218.93 232.10 231.04 230.04 216.48 159.77 156.56
DME temp 259.18 259.01 259.47 259.18 259.32 259.84 259.28 259.96
Ancil. STOP
RbiStart A, NOM
Conf 5
Exp. Mode HEATER
TLM Mode MEAS-TL COMPLETE
ChkState STATE
Format RTF 103
OBT 0x0a748c14
Moni. TRUE
Anom 0

Formal Run of Measurement

(Measurement ID) X i - 5

Request for Actual Status	X	(cross out entries that are **not** requested.)
Request for Modification	X	(fill in only entries to be modified)
Request for Run	X	(no entries = run based on actual default settings)

Scanner Positions

Azimuth	+45	deg
Elevation	-45	deg

Timeline for each Data Acquisition Period during Measurement

	1	2	3	4	5	6	7	8	9	10
State ID	21									
Repetitions	1									

State Parameters for States used in Timeline (State ID must be given)

Channel	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding
1a	64	1						
1b	64	1						
2b	64	1						
2a	64	1						
3	64	1						
4	0,5	64						
5	2	32						
6	0,25	64						
7	2	32						
8	2	32						
State ID								

Stimuli Settings for Existing Blocks in Measurement

Block No	Stimuli Setup ID	PPC [deg]	Polarizer [deg]	Shutter open/close	Acquisition Time [s]	Lambda [nm] Start	Lambda [nm] Stop	Lambda [nm] Step	Repetition Factor	Message	OS Setup Time [s]
1	1	0,0	85,4	close	1	690	690	0	1	DU1	50
2	1	0,0	85,4	open	1	690	690	0	1	MP~	8
3	1	0,0	85,4	open	1	692	1260	2	1	MP~	3
4	1	0,0	85,4	closed	1	1260	1260	0	1	DU2	8

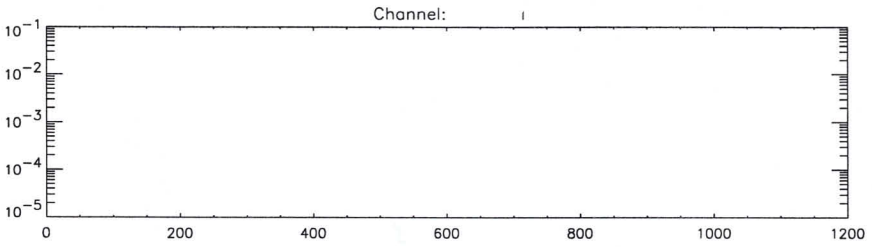
Measurement Data Description

Test Purpose	UID 14
Remark	New PETs
Data Directory	0235_10.19.31_X1_5

Signatures

	Date	Signature
Issued	23-8	
< Performed	23-8	

X1-VIS-18-10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10^{-4}
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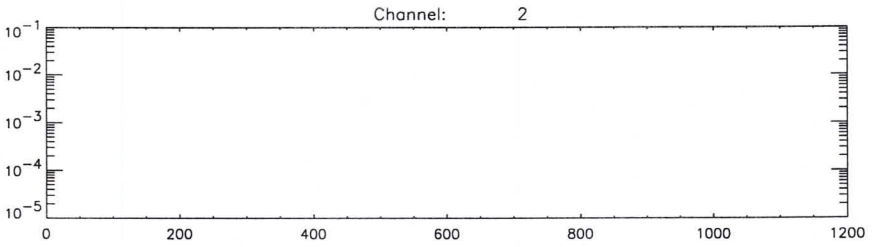
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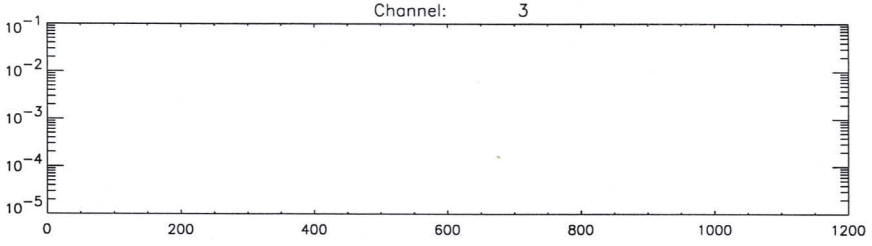
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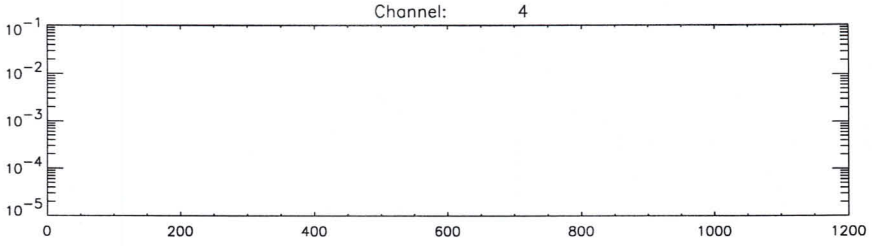
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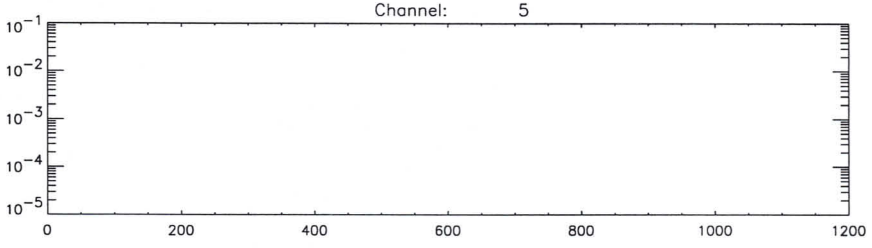
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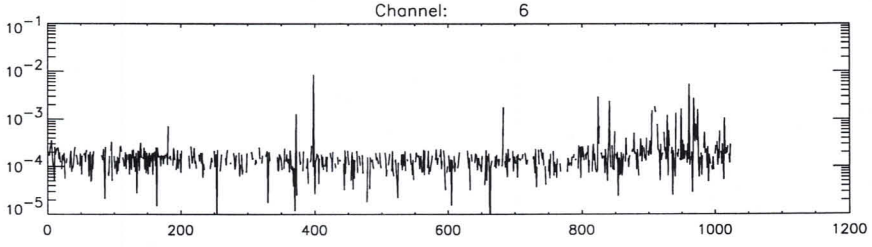
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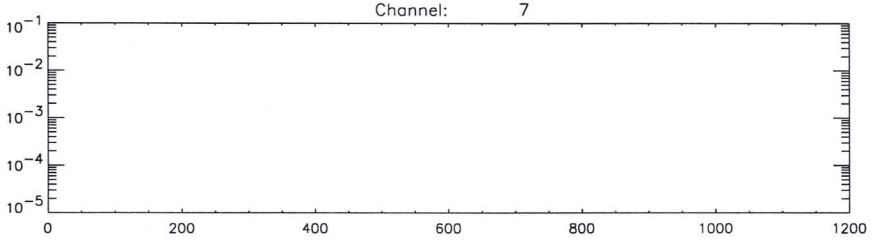
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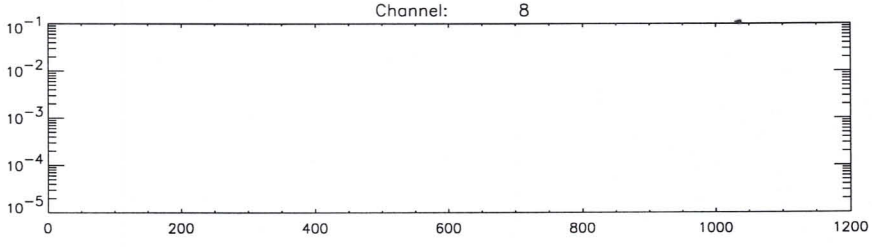
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800
1000
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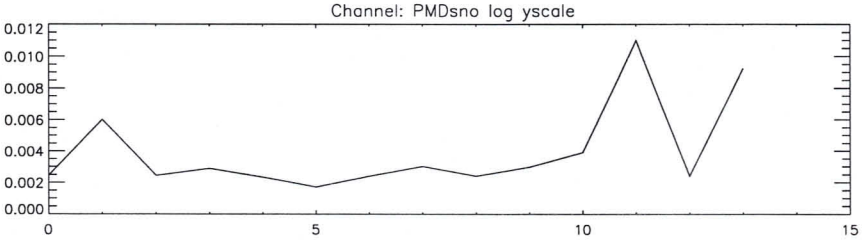
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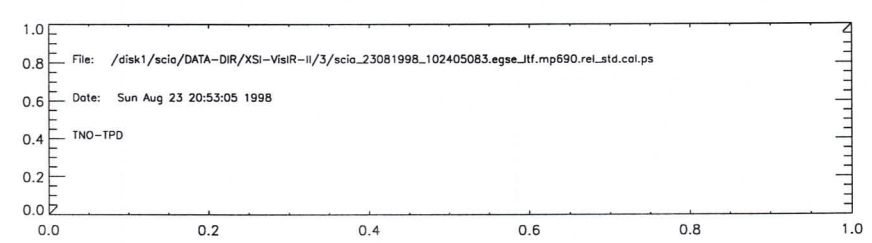
10
15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Date: Sun Aug 23 20:53:05 1998
TNO-TPD
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0.6
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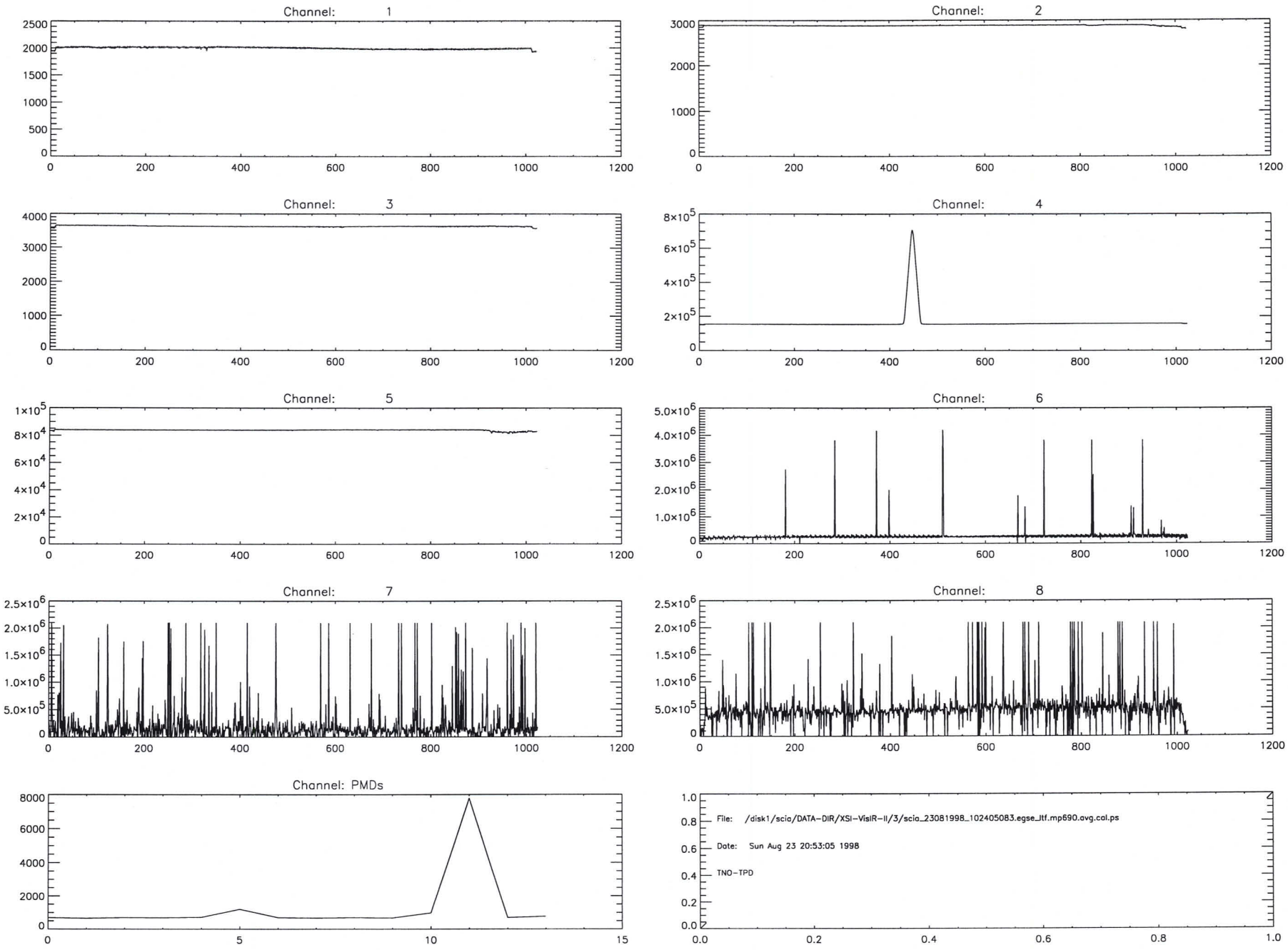
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Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
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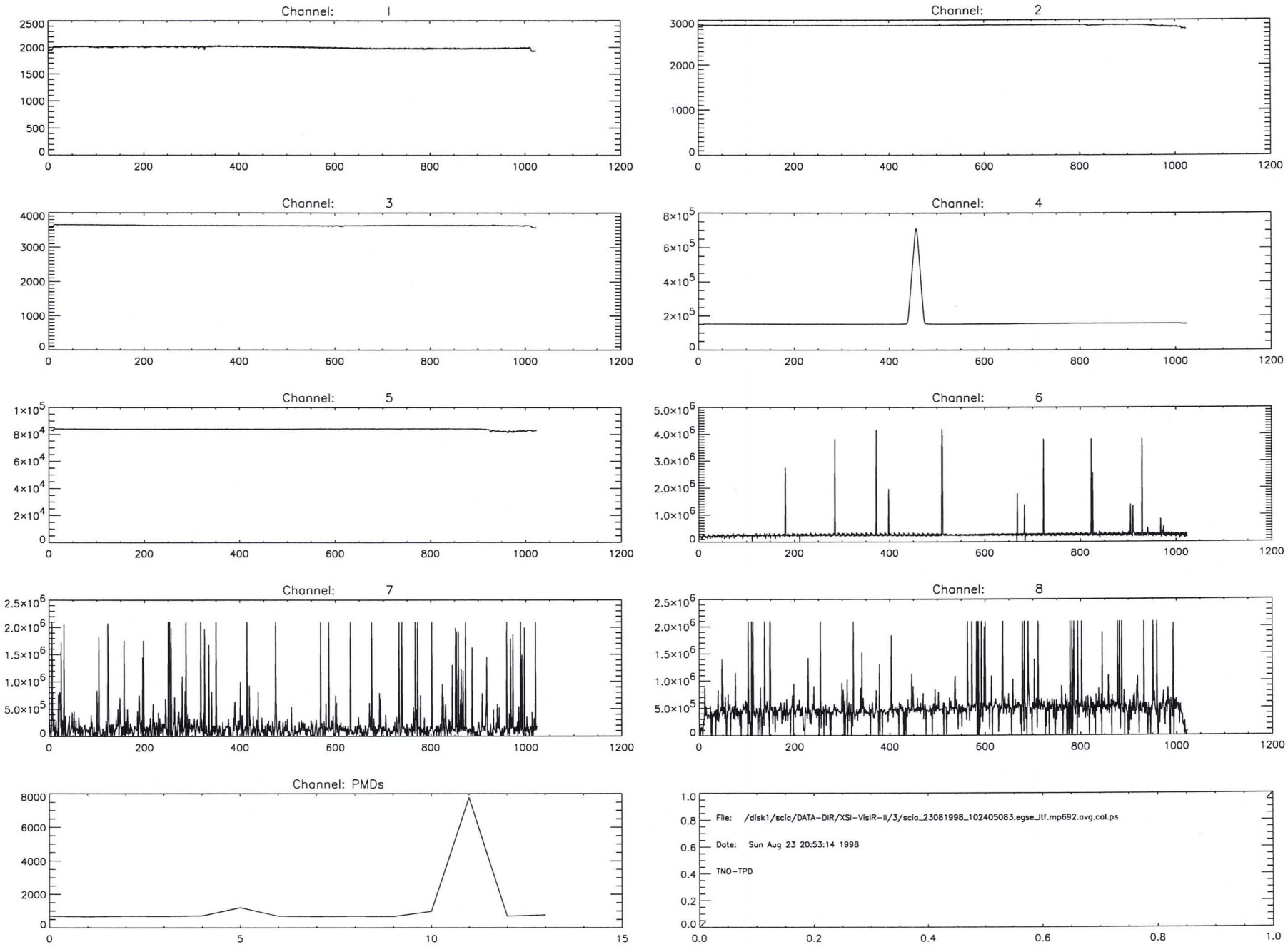
Date: Sun Aug 23 20:53:05 1998
TNO-TPD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Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
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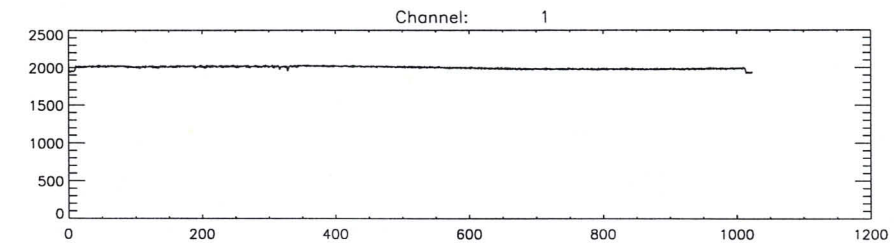
Date: Sun Aug 23 20:53:14 1998
TNO-TPD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1000
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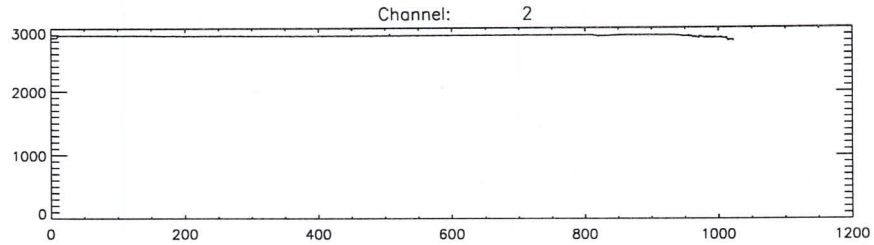
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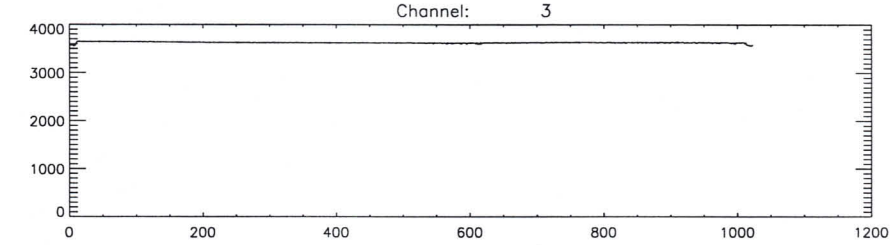
600
800
1000
1200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600
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1000
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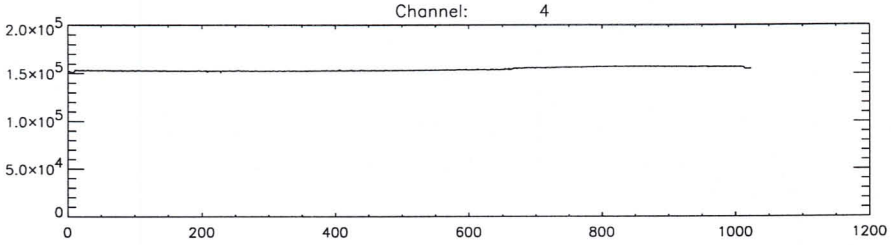
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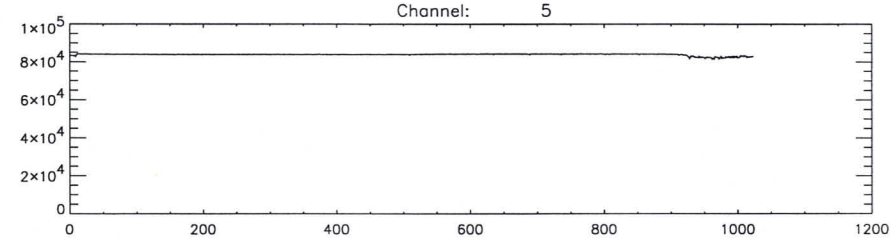
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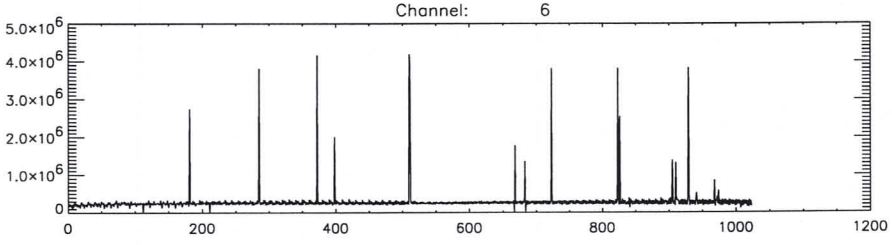
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600
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1000
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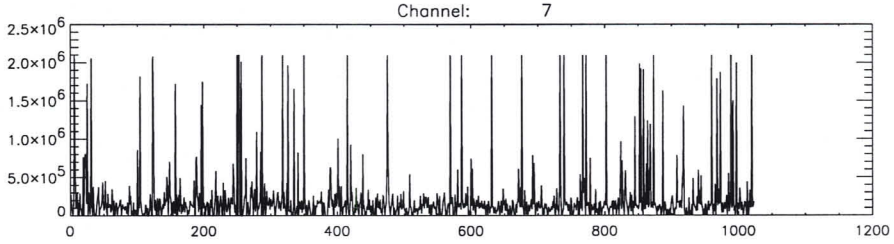
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600
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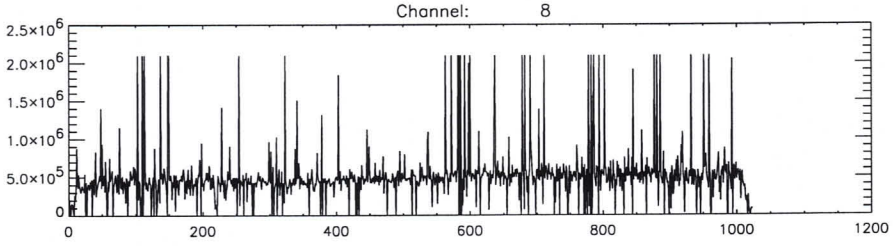
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600
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1000
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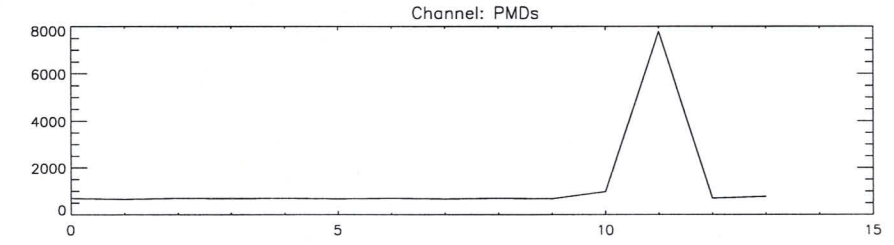
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4000
2000
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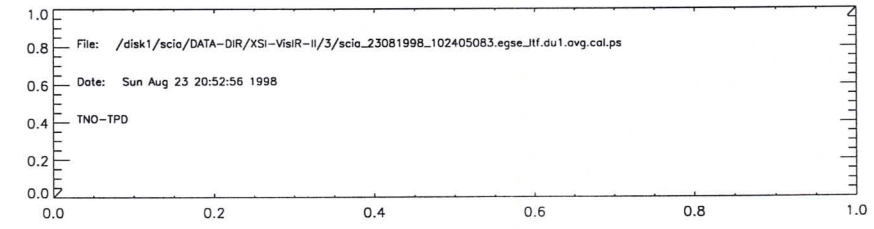
10
15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Date: Sun Aug 23 20:52:56 1998
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Logging to this file started at Sun Aug 23 10:20:22 GMT 1998.

"23.08.1998 10:20:22" "CHANNEL A"

Logging to this file started at Sun Aug 23 10:20:22 GMT 1998.

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"23.08.1998 15:04:03" "MP1038"
"23.08.1998 15:05:33" "MP1040"
"23.08.1998 15:07:09" "MP1042"
"23.08.1998 15:08:46" "MP1044"
"23.08.1998 15:10:23" "MP1046"
"23.08.1998 15:11:58" "MP1048"
"23.08.1998 15:13:35" "MP1050"
"23.08.1998 15:15:13" "MP1052"
"23.08.1998 15:16:50" "MP1054"
"23.08.1998 15:18:22" "MP1056"
"23.08.1998 15:19:58" "MP1058"
"23.08.1998 15:21:34" "MP1060"
"23.08.1998 15:23:10" "MP1062"
"23.08.1998 15:24:46" "MP1064"
"23.08.1998 15:26:23" "MP1066"

"23.08.1998 15:27:59" "MP1068"
"23.08.1998 15:29:35" "MP1070"
"23.08.1998 15:31:12" "MP1072"
"23.08.1998 15:32:49" "MP1074"
"23.08.1998 15:34:21" "MP1076"
"23.08.1998 15:35:57" "MP1078"
"23.08.1998 15:37:35" "MP1080"
"23.08.1998 15:39:10" "MP1082"
"23.08.1998 15:40:48" "MP1084"
"23.08.1998 15:42:25" "MP1086"
"23.08.1998 15:44:01" "MP1088"
"23.08.1998 15:45:36" "MP1090"
"23.08.1998 15:47:13" "MP1092"
"23.08.1998 15:48:49" "MP1094"
"23.08.1998 15:50:26" "MP1096"
"23.08.1998 15:52:02" "MP1098"
"23.08.1998 15:53:39" "MP1100"
"23.08.1998 15:55:10" "MP1102"
"23.08.1998 15:56:48" "MP1104"
"23.08.1998 15:58:24" "MP1106"
"23.08.1998 16:00:01" "MP1108"
"23.08.1998 16:01:37" "MP1110"
"23.08.1998 16:03:09" "MP1112"
"23.08.1998 16:04:51" "MP1114"
"23.08.1998 16:06:22" "MP1116"
"23.08.1998 16:08:00" "MP1118"
"23.08.1998 16:09:37" "MP1120"
"23.08.1998 16:11:12" "MP1122"
"23.08.1998 16:12:50" "MP1124"
"23.08.1998 16:14:26" "MP1126"
"23.08.1998 16:15:58" "MP1128"
"23.08.1998 16:17:35" "MP1130"
"23.08.1998 16:19:11" "MP1132"
"23.08.1998 16:20:49" "MP1134"
"23.08.1998 16:22:25" "MP1136"
"23.08.1998 16:24:01" "MP1138"
"23.08.1998 16:25:38" "MP1140"
"23.08.1998 16:27:09" "MP1142"
"23.08.1998 16:28:46" "MP1144"
"23.08.1998 16:30:22" "MP1146"
"23.08.1998 16:32:00" "MP1148"
"23.08.1998 16:33:36" "MP1150"
"23.08.1998 16:35:12" "MP1152"
"23.08.1998 16:36:47" "MP1154"
"23.08.1998 16:38:24" "MP1156"
"23.08.1998 16:40:02" "MP1158"
"23.08.1998 16:41:38" "MP1160"
"23.08.1998 16:43:10" "MP1162"
"23.08.1998 16:44:45" "MP1164"
"23.08.1998 16:46:23" "MP1166"
"23.08.1998 16:47:58" "MP1168"
"23.08.1998 16:49:37" "MP1170"
"23.08.1998 16:51:12" "MP1172"
"23.08.1998 16:52:45" "MP1174"
"23.08.1998 16:54:23" "MP1176"
"23.08.1998 16:55:59" "MP1178"
"23.08.1998 16:57:35" "MP1180"
"23.08.1998 16:59:11" "MP1182"
"23.08.1998 17:00:48" "MP1184"
"23.08.1998 17:02:24" "MP1186"
"23.08.1998 17:04:00" "MP1188"
"23.08.1998 17:05:33" "MP1190"
"23.08.1998 17:07:09" "MP1192"
"23.08.1998 17:08:46" "MP1194"

"23.08.1998 17:10:22" "MP1196"
"23.08.1998 17:11:59" "MP1198"
"23.08.1998 17:13:35" "MP1200"
"23.08.1998 17:15:12" "MP1202"
"23.08.1998 17:16:49" "MP1204"
"23.08.1998 17:18:25" "MP1206"
"23.08.1998 17:20:01" "MP1208"
"23.08.1998 17:21:39" "MP1210"
"23.08.1998 17:23:10" "MP1212"
"23.08.1998 17:24:46" "MP1214"
"23.08.1998 17:26:25" "MP1216"
"23.08.1998 17:28:02" "MP1218"
"23.08.1998 17:29:33" "MP1220"
"23.08.1998 17:31:09" "MP1222"
"23.08.1998 17:32:46" "MP1224"
"23.08.1998 17:34:22" "MP1226"
"23.08.1998 17:35:59" "MP1228"
"23.08.1998 17:37:35" "MP1230"
"23.08.1998 17:39:13" "MP1232"
"23.08.1998 17:40:49" "MP1234"
"23.08.1998 17:42:26" "MP1236"
"23.08.1998 17:43:57" "MP1238"
 3.08.1998 17:45:33" "MP1240"
"23.08.1998 17:47:09" "MP1242"
"23.08.1998 17:48:46" "MP1244"
"23.08.1998 17:50:23" "MP1246"
"23.08.1998 17:52:00" "MP1248"
"23.08.1998 17:53:36" "MP1250"
"23.08.1998 17:55:13" "MP1252"
"23.08.1998 17:56:49" "MP1254"
"23.08.1998 17:58:25" "MP1256"
"23.08.1998 18:00:02" "MP1258"
"23.08.1998 18:01:35" "MP1260"
"23.08.1998 18:03:16" "DU2"

```
time       = Sun Aug 23 20:52:56 1998
batch      = du1
Start TOD = Sun 23-Aug-98 10:24:15
End   TOD = Sun 23-Aug-98 10:26:02
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Sun Aug 23 21:28:44 1998
batch      = du2
Start TOD = Sun 23-Aug-98 18:03:39
End   TOD = Sun 23-Aug-98 18:04:27
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Sun Aug 23 21:12:24 1998
batch      = mp1000
Start TOD = Sun 23-Aug-98 14:33:57
End   TOD = Sun 23-Aug-98 14:35:33
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Sun Aug 23 21:12:32 1998
batch      = mp1002
Start TOD = Sun 23-Aug-98 14:35:33
End   TOD = Sun 23-Aug-98 14:37:08
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Sun Aug 23 21:12:39 1998
batch      = mp1004
Start TOD = Sun 23-Aug-98 14:37:08
End   TOD = Sun 23-Aug-98 14:38:44
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Sun Aug 23 21:12:47 1998
batch      = mp1006
Start TOD = Sun 23-Aug-98 14:38:44
End   TOD = Sun 23-Aug-98 14:40:21
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Sun Aug 23 21:12:54 1998
batch      = mp1008
Start TOD = Sun 23-Aug-98 14:40:21
End   TOD = Sun 23-Aug-98 14:41:57
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Sun Aug 23 21:13:02 1998
batch      = mp1010
Start TOD = Sun 23-Aug-98 14:41:57
End   TOD = Sun 23-Aug-98 14:43:33
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Sun Aug 23 21:13:09 1998
batch      = mp1012
Start TOD = Sun 23-Aug-98 14:43:33
End   TOD = Sun 23-Aug-98 14:45:09
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Sun Aug 23 21:13:17 1998
batch      = mp1014
Start TOD = Sun 23-Aug-98 14:45:09
End   TOD = Sun 23-Aug-98 14:46:44
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Sun Aug 23 21:13:24 1998
batch      = mp1016
Start TOD = Sun 23-Aug-98 14:46:44
End   TOD = Sun 23-Aug-98 14:48:21
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Sun Aug 23 21:13:32 1998
batch      = mp1018
Start TOD = Sun 23-Aug-98 14:48:21
End   TOD = Sun 23-Aug-98 14:49:57
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Sun Aug 23 21:13:39 1998
batch      = mp1020
Start TOD = Sun 23-Aug-98 14:49:57
End   TOD = Sun 23-Aug-98 14:51:33
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Sun Aug 23 21:13:47 1998
batch      = mp1022
Start TOD = Sun 23-Aug-98 14:51:33
End   TOD = Sun 23-Aug-98 14:53:08
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Sun Aug 23 21:13:54 1998
batch      = mp1024
Start TOD = Sun 23-Aug-98 14:53:08
End   TOD = Sun 23-Aug-98 14:54:45
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Sun Aug 23 21:14:01 1998
batch      = mp1026
Start TOD = Sun 23-Aug-98 14:54:45
End   TOD = Sun 23-Aug-98 14:56:21
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Sun Aug 23 21:14:09 1998
batch      = mp1028
Start TOD = Sun 23-Aug-98 14:56:21
End   TOD = Sun 23-Aug-98 14:57:57
Processing= computation of average, standard dev. and rel.standard dev.
#####
#####
##### Job hp6mp-562
##### suspended or canceled
#####
#####
```

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	Wendell Lynch ~~22~~-8-98	
	What's the name of the (main) data input files generated by the EGSE? `(*.dat)`	scia_23081998_10240508 3.dat -12184816 0.dat -14140101 9.dat -16091218 9.dat -18043043 0.dat	(A)
	Setup a three-window configuration on your SUN.		see course descr.

Cnstr directory	`cd ~/DATA-DIR/XSI-VisIr-II/ ; ls -l`
	highest number in directory?
	New directory: `mkdir <B+1>`
	`ls -l`
	What's now the highest number in directory?
	<C> should be <B> + 1
		2
		
		3
		Y / N
			Note: In window DATA-DIR (B)
			
			(C)

	directory name is:	`~/DATA-DIR/XSI-VisIR-II/<C>`	(DIR-NAME)
Copy data	See Analysis sheet: Transfer Data File	Y / N	In DATA-DIR window

Cnstr EGSE_LTF	`cal_raw2ltf .` (Error messages are not necessarily fatal; check with SOLAN --in solan window-- whether output file is okay: there should be a signal present, and `dremark1` labels should be filled)
	`ls -l *.egse_ltf`
	What's the name of the egse_ltf file
	
	`<D> should be <A>.egse_ltf`
		scia-23081998-10240508 3.egse_ltf
		
		Y / N
			Note: In window DATA-DIR; ***don't forget the dot !!!;*** *May take more than 15 mins.*
			(D)

Cnstr CAL files	`idl run_fastaverscia` (and select file <D> when asked)		Note: In window IDL
Check CAL files	Dark files:		In DATA-DIR Window

`ls -l *du*.cal`

size: 9 — should be approx 150Kb

Monochromator ouput:
`ls -l *mp<lambda>*.avg.cal`
(where lambda is a wavelength indicator)

size: 8 — should be approx 150Kb
lambda ranges from: ~~1000 to 3998~~
to: ~~6go to 1260~~
Note: all files should be present, if not:
(a) Check file <D> using SOLAN and check whether `dremark1 l`abels are present.
(b) Check if enough disk space is available (Unix command `df -k | more`).

Print postscript

Pick a `*.mp<lambda>.avg.cal` file. ~~MP 6go~~ 9. mp 6go
`lpr -P<printer> *.avg.cal.ps`
Contents dark file `*du.avg.cal.ps` should be approx. constant within channels: (Y) / N
Contents of a file `*mp<lambda>.avg.cal.ps` should contain a peak signal in corresponding channel (cannot be seen in channels 7 and 8): (Y) / N
Contents of `*mp<lambda>.rel_std.cal.ps` files should be smaller than 0.01 (pixel 300 -- 800) for all channels. Y / N
If not, value is: _____

Add postscript images to logbook, done (Y) / N

Print logfiles

`lpr -P<printer> *.log`
Add logfiles to logbook, done (Y) / N

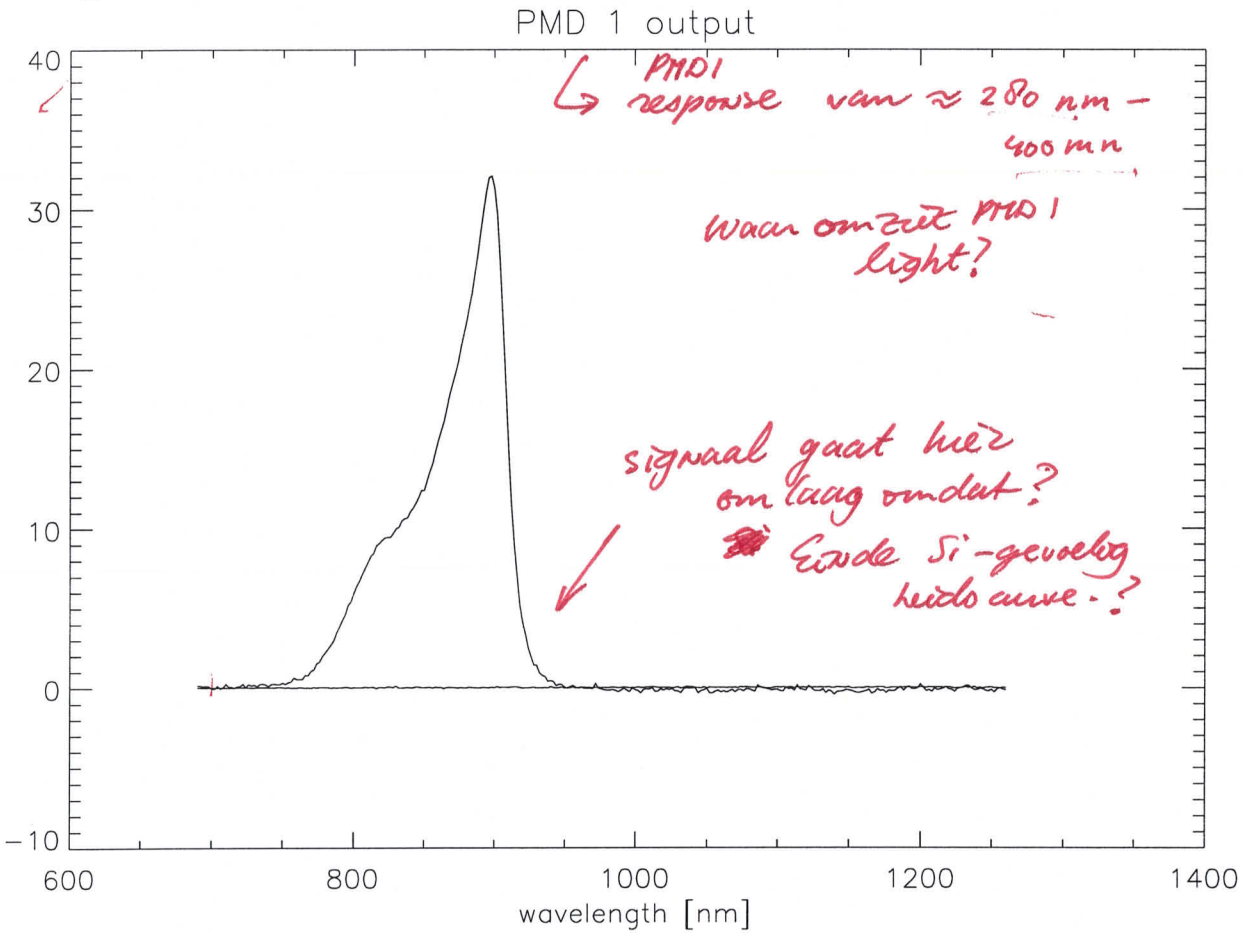
Xsi processing

Control file	Construct `control-file` in dir. <DIR-NAME> where each line is of the form `<l1> <l2> <darkname>` (meaning that file `<darkname>` is to be used as dark measurement for monochromator outputs with wavelength `M` such that `<l1> <= M <= <l2>`). `lpr -P<printer> <DIR-NAME>/control-file` Add `control-file` to logbook, done	(Y) / N	
Run XSI	`idl do_xsi`		
Check XSI	`ls -l *.data` Size of file `<D>.du*.cal.data`	123838 b	In DATA-DIR window
Check XSI visually	`idl do_xsi_processing`		In IDL window
	`lpr -P<printer> *.data.ps` Value of XSI resembles expected XSI (see [Predicted PFMcalibration results])? Add postscript images to logbook, done	Y / N Y / N	In DATA-DIR window
Print logfiles	`lpr -P<printer> *.data.log` Add logfiles to logbook, done	Y / N	
Back up	Create 3 sets of backup CDs of directory <DIR-NAME> (One CD has a capacity of 600 Mbytes, the UNIX command `/usr/bin/du -k .` gives the number of kilo bytes in the current directory). Name of backup CDs		See analysis sheet BackUp
Sign:	Name Date and time Signature	Wendell Lynch 23-08-98	

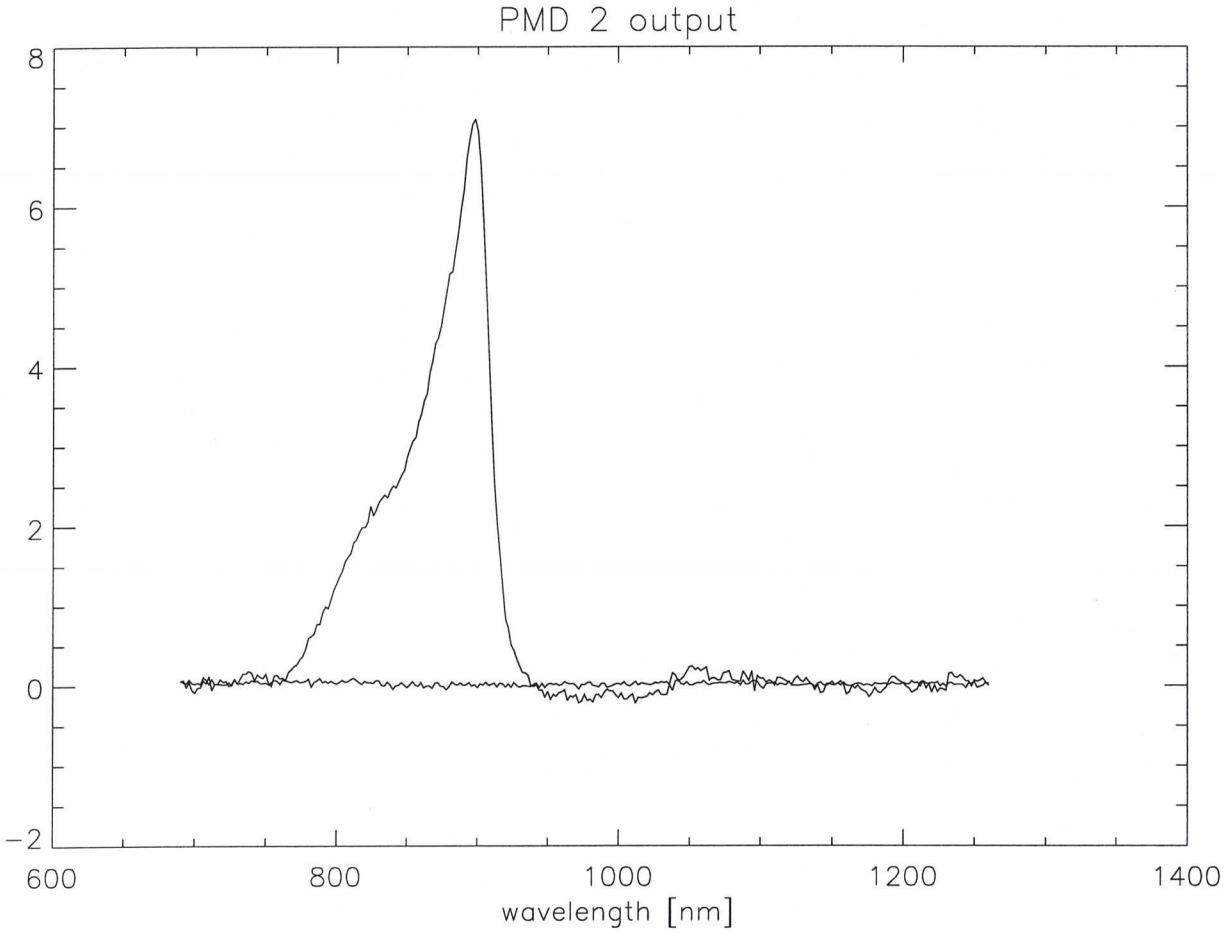
Transfer Data File

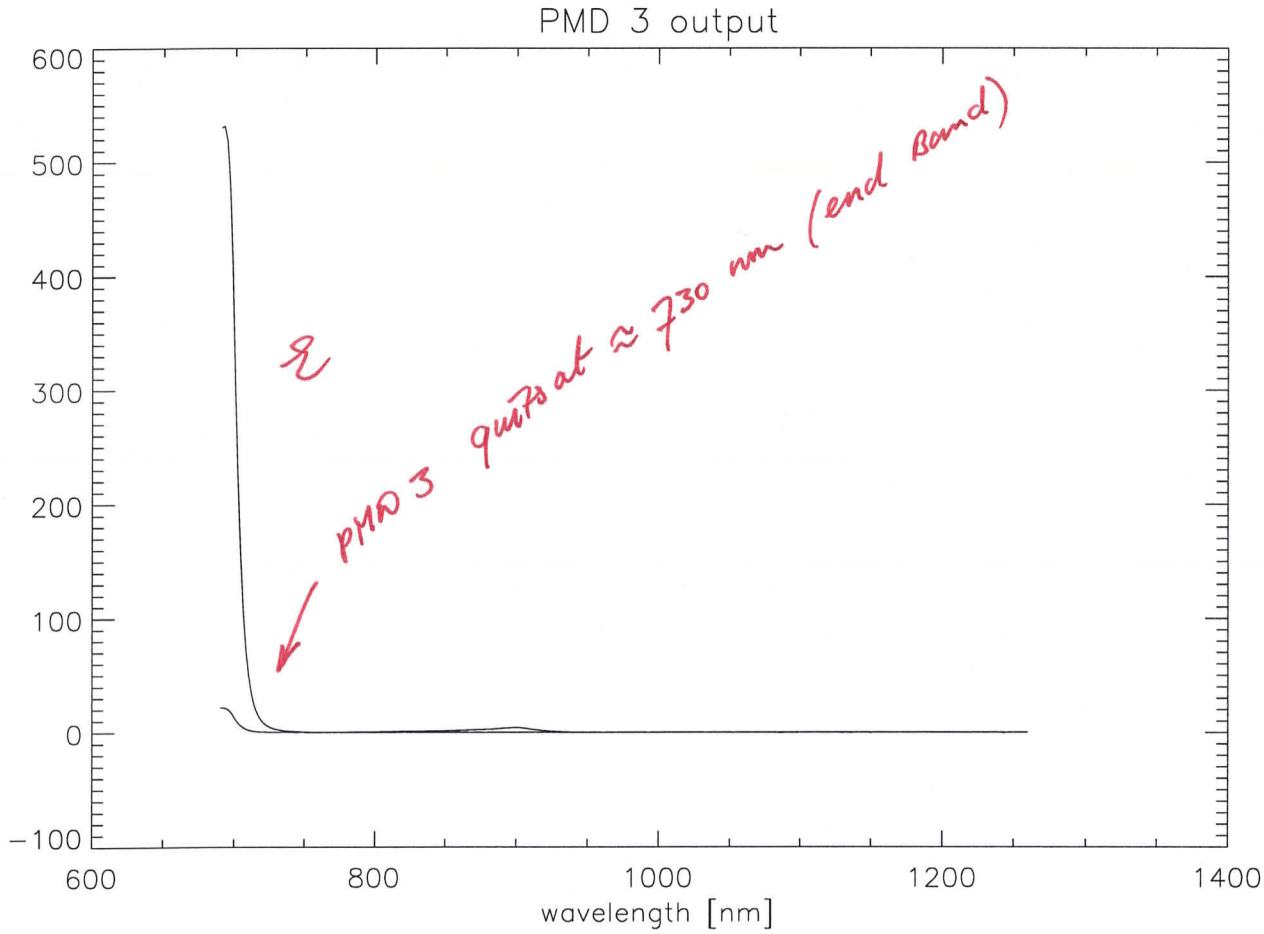
STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	Wendell Lynch 23-8-98	
	What's the name of the (main) data input files that you want to store on the SUN named `scia6`?	23081998_10240508 3.dat -12184816 0.dat -19140101 9.dat -16091218 5.dat -18043043 0.dat	(A)
	Setup a three-window configuration on your SUN.		See course descr.
Do Transfer	Be sure that you are in the directory you want your files in ftp <internet-address>, where you can find the address of the PC in the file `/etc/hosts` (entry: cdwpc). The address will also be next to you on paper (most probably). When asked for user, fill in: `anonymous`, when asked for an email address, fill in your email address on TPD. Set in binary: `binary` `mget *` (and return `y` to every file). `bye`		In DATA-DIR window In DATA window Approx. 140 kB
Sign:	Name Date and time Signature	Wendell Lynch 23-8-98	

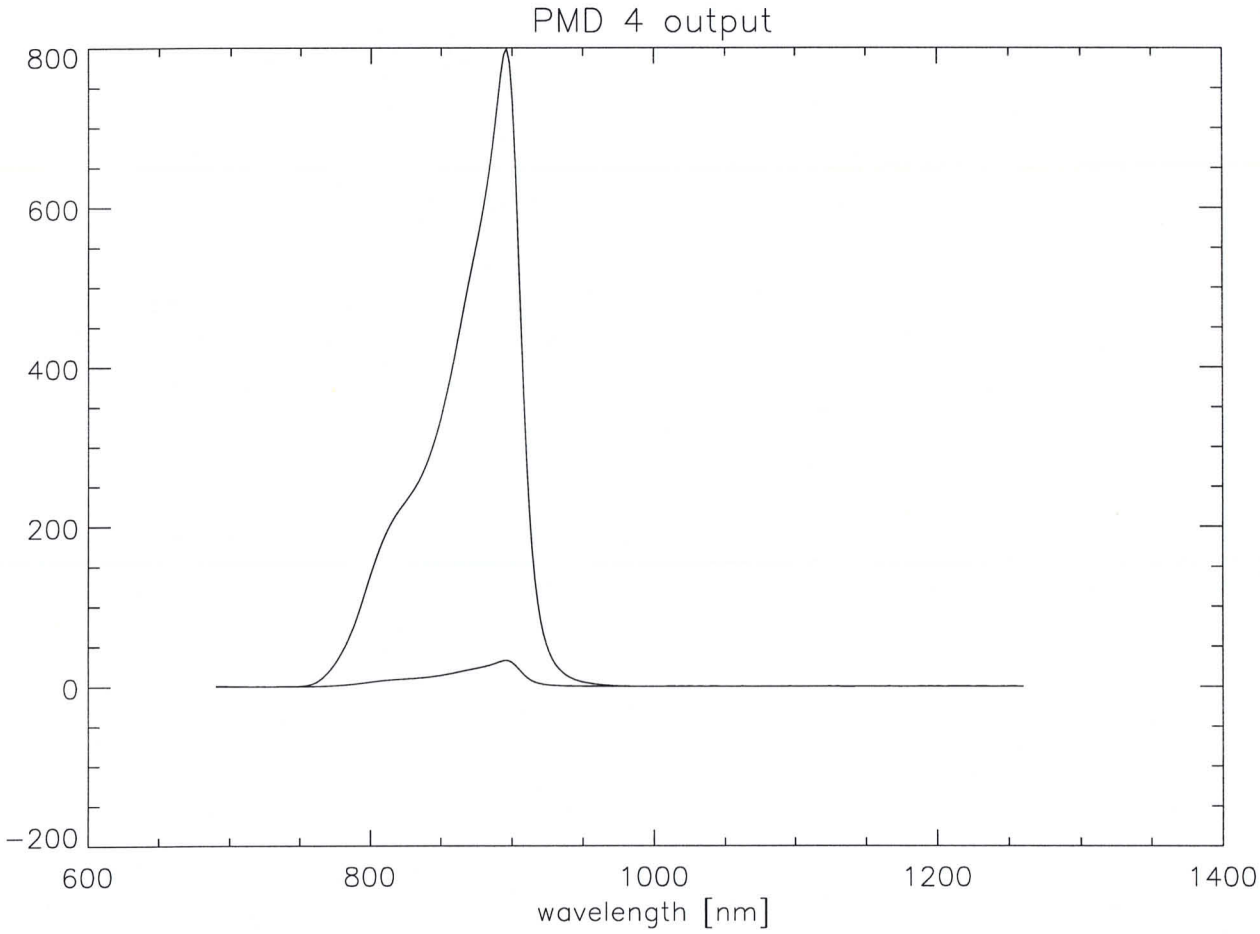
meting van 690 to 1260 nm.

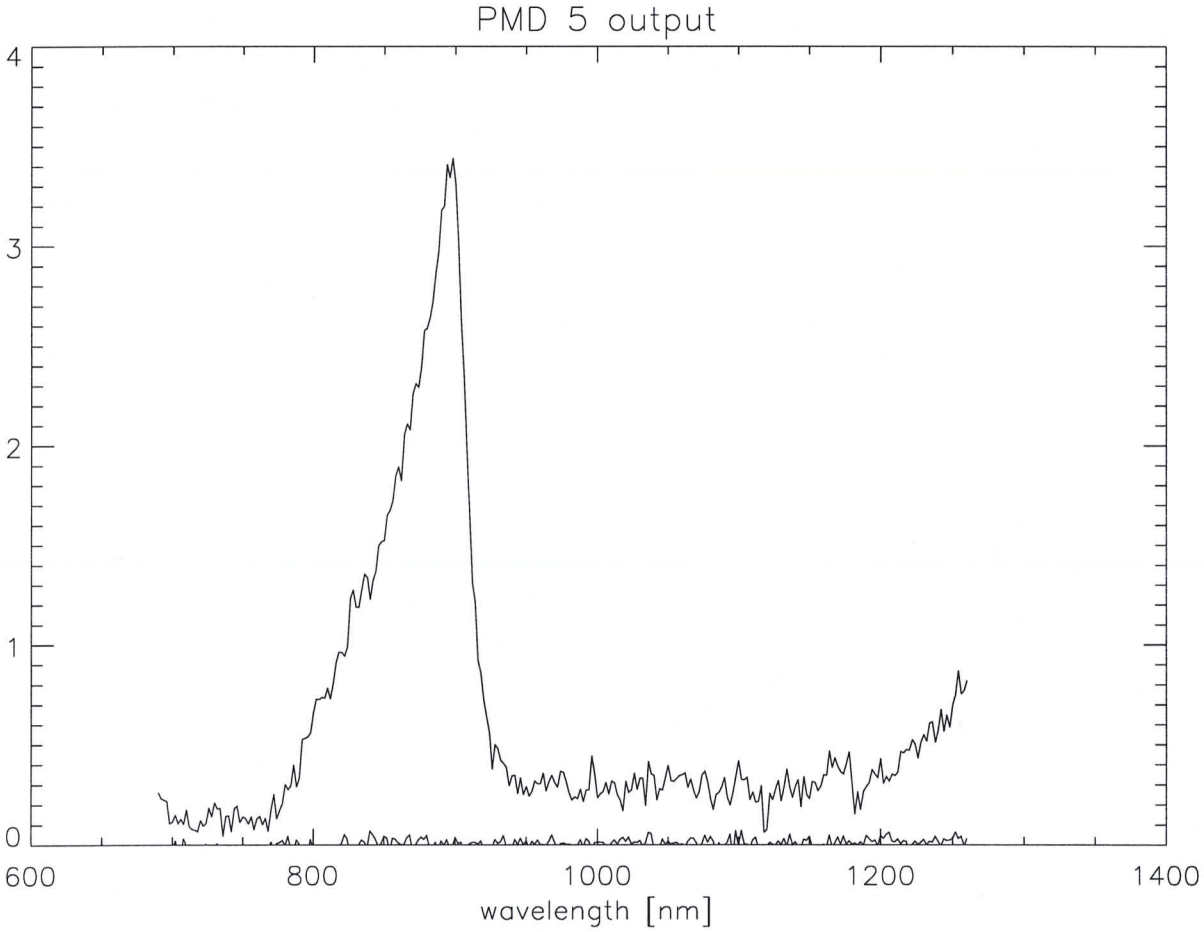


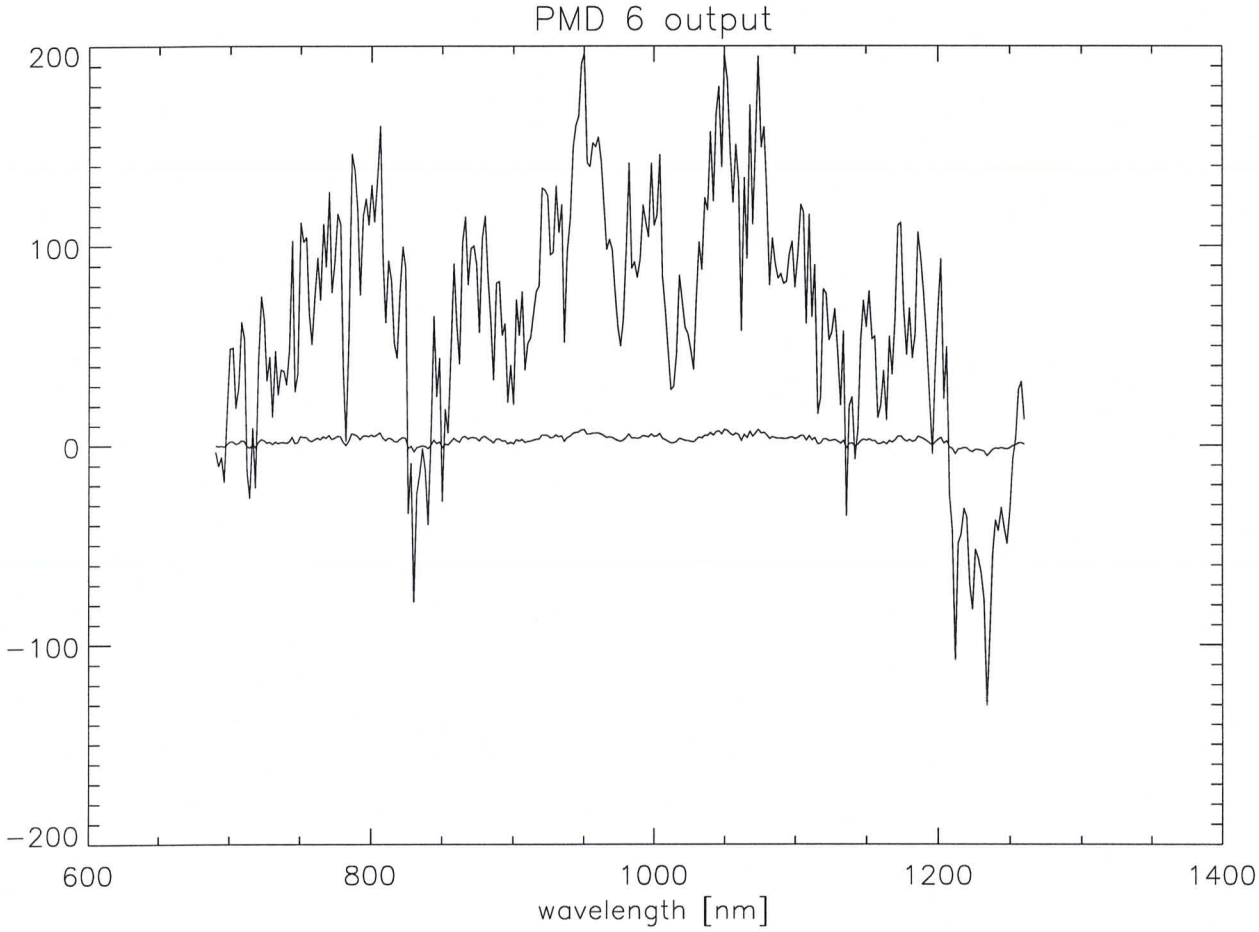
Same curve as for PMD 1

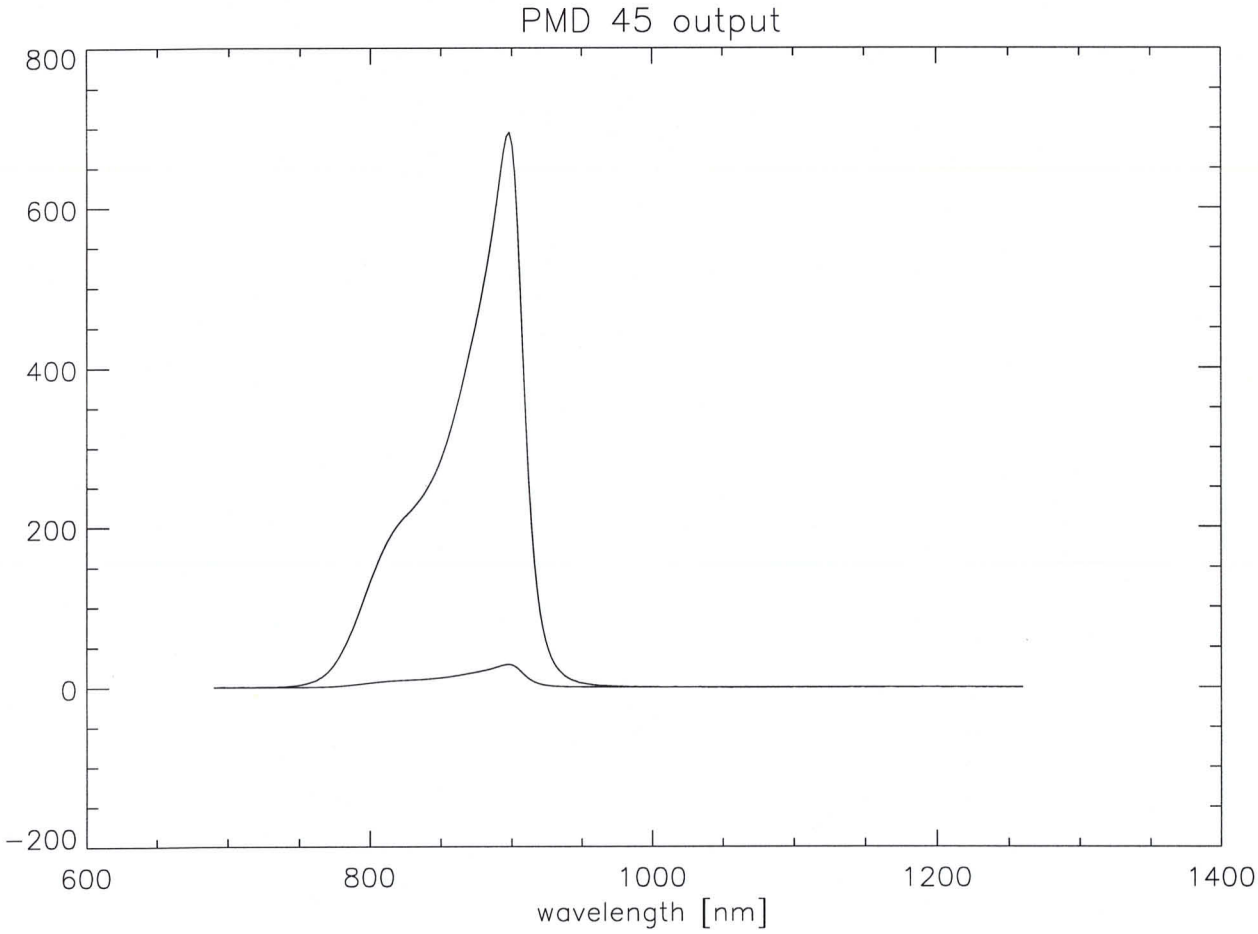


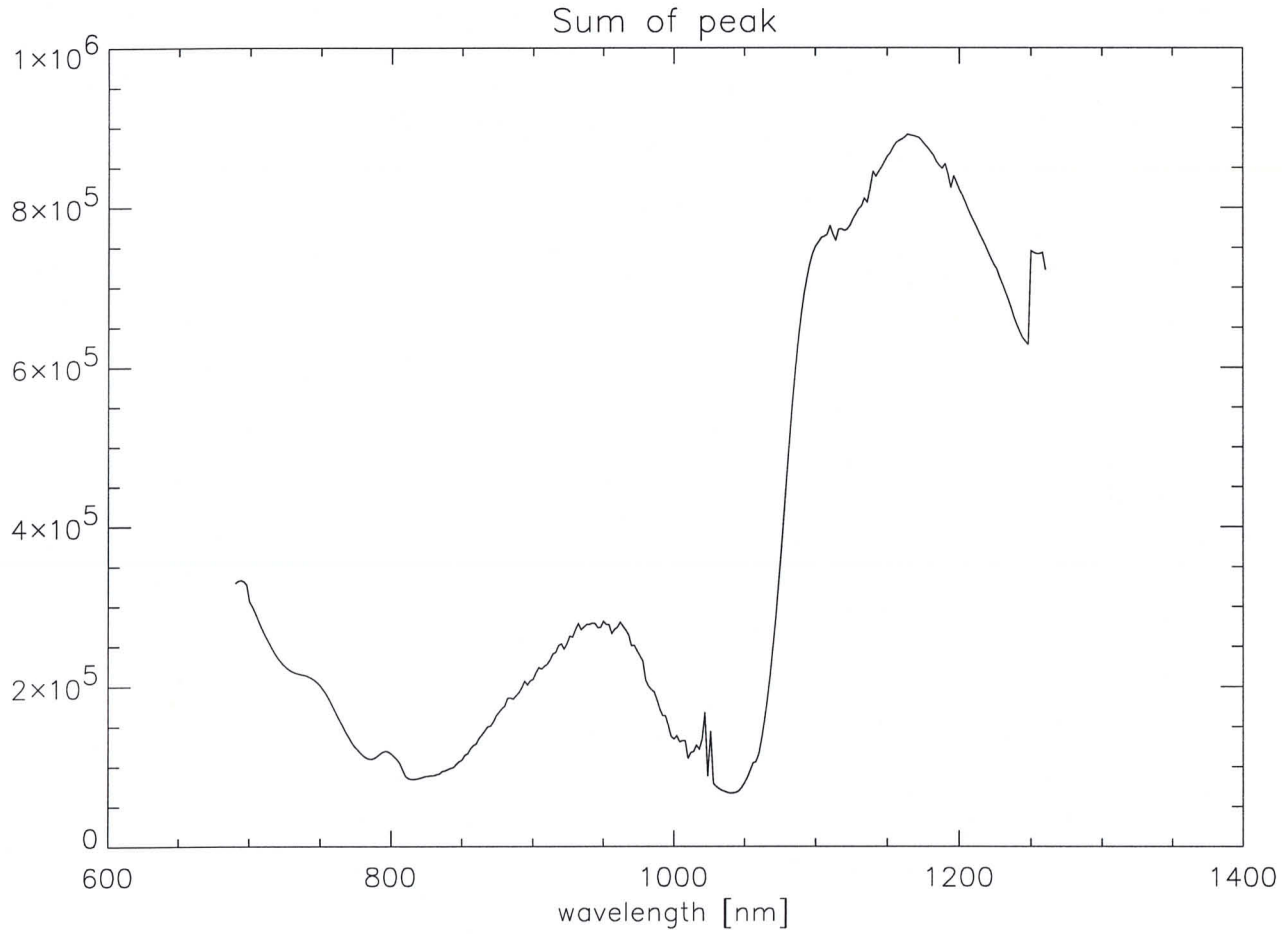

PMD 3 output
600
500
400
300
200
100
0
−100
600
800
1000
1200
1400
wavelength [nm]
PMD 3 cuts at ≈ 730 nm (end Band)

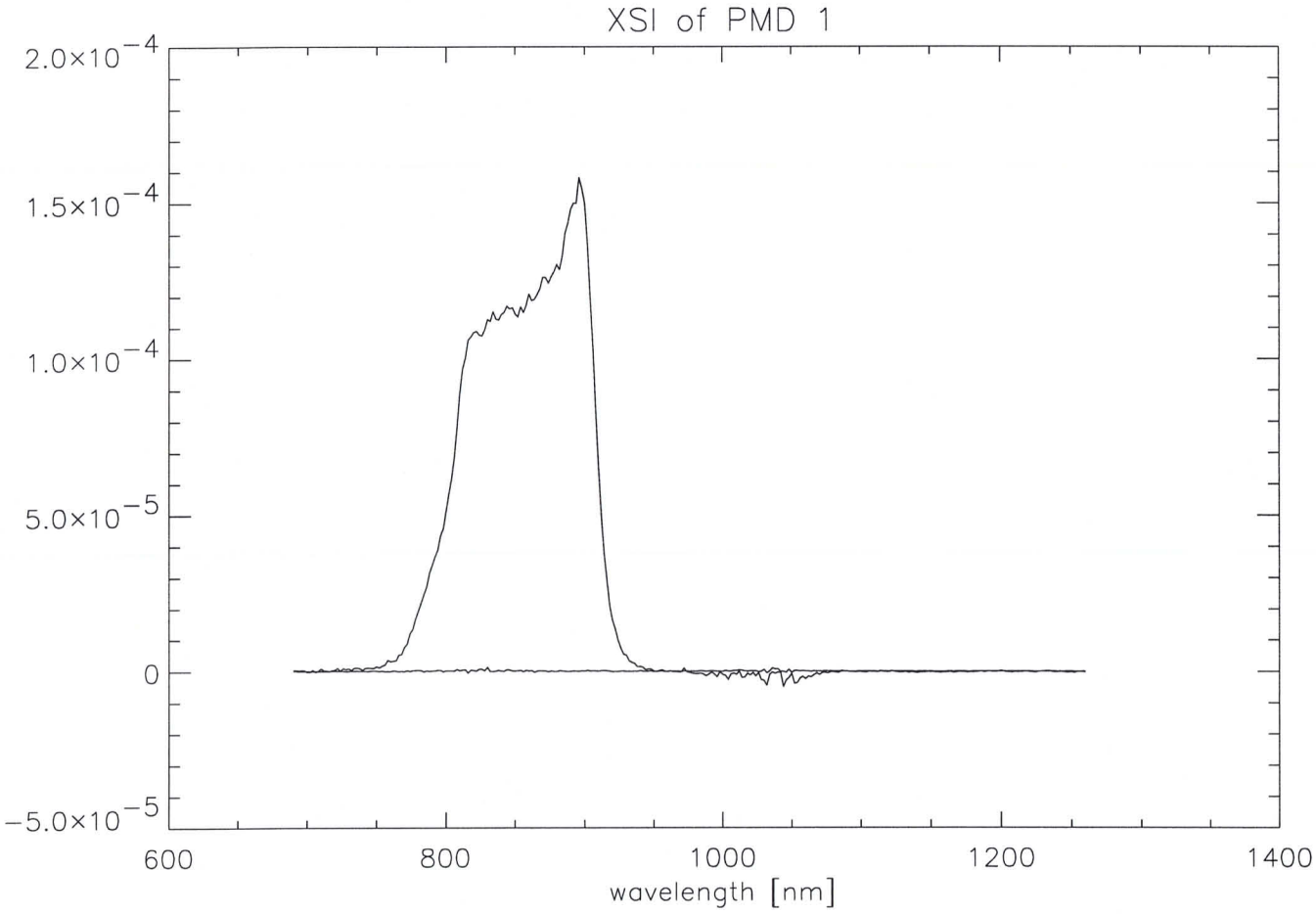

PMD 4 output
800
600
400
200
0
−200
600
800
1000
1200
1400
wavelength [nm]

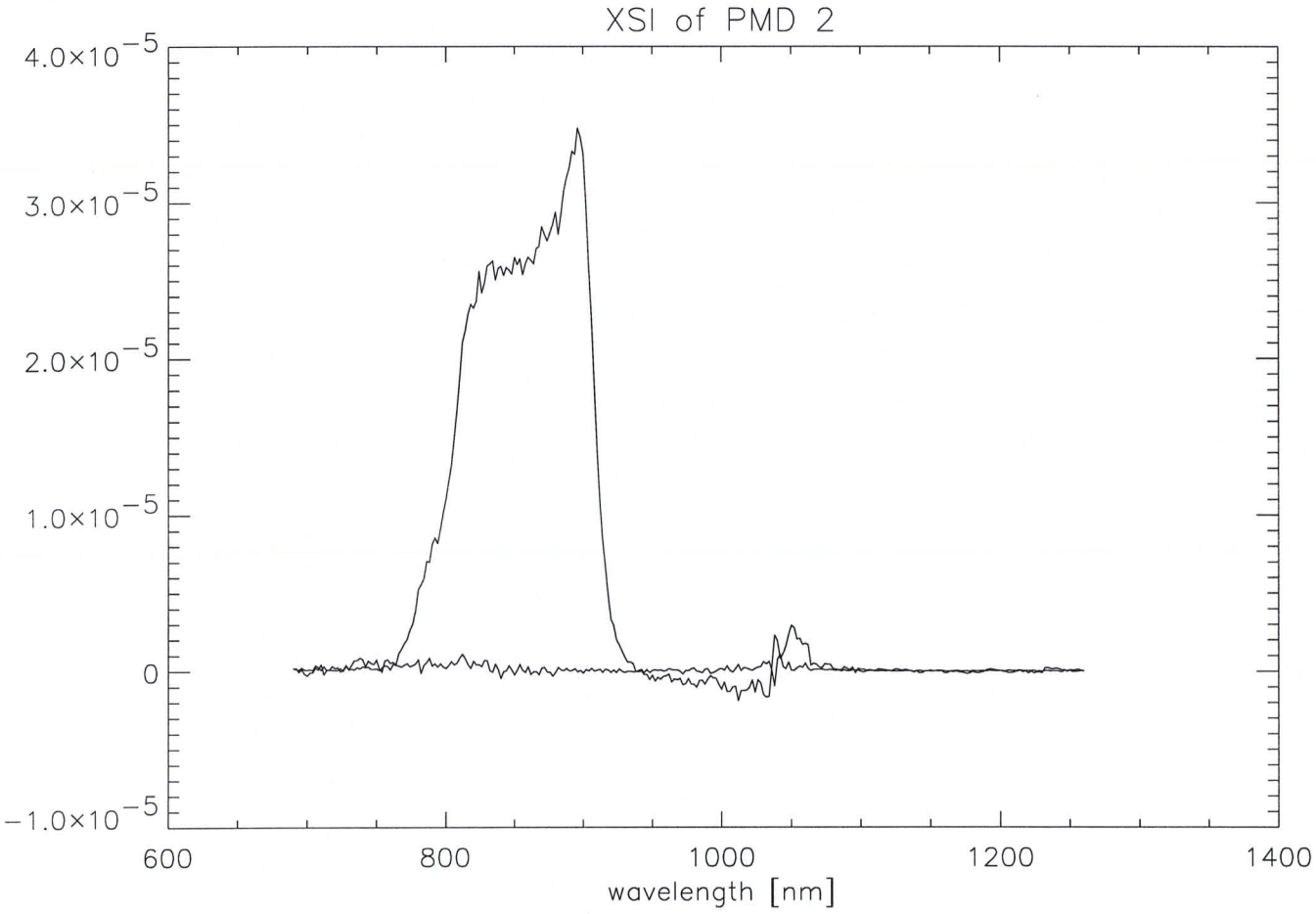

PMD 5 output
4
3
2
1
0
600
800
1000
1200
1400
wavelength [nm]

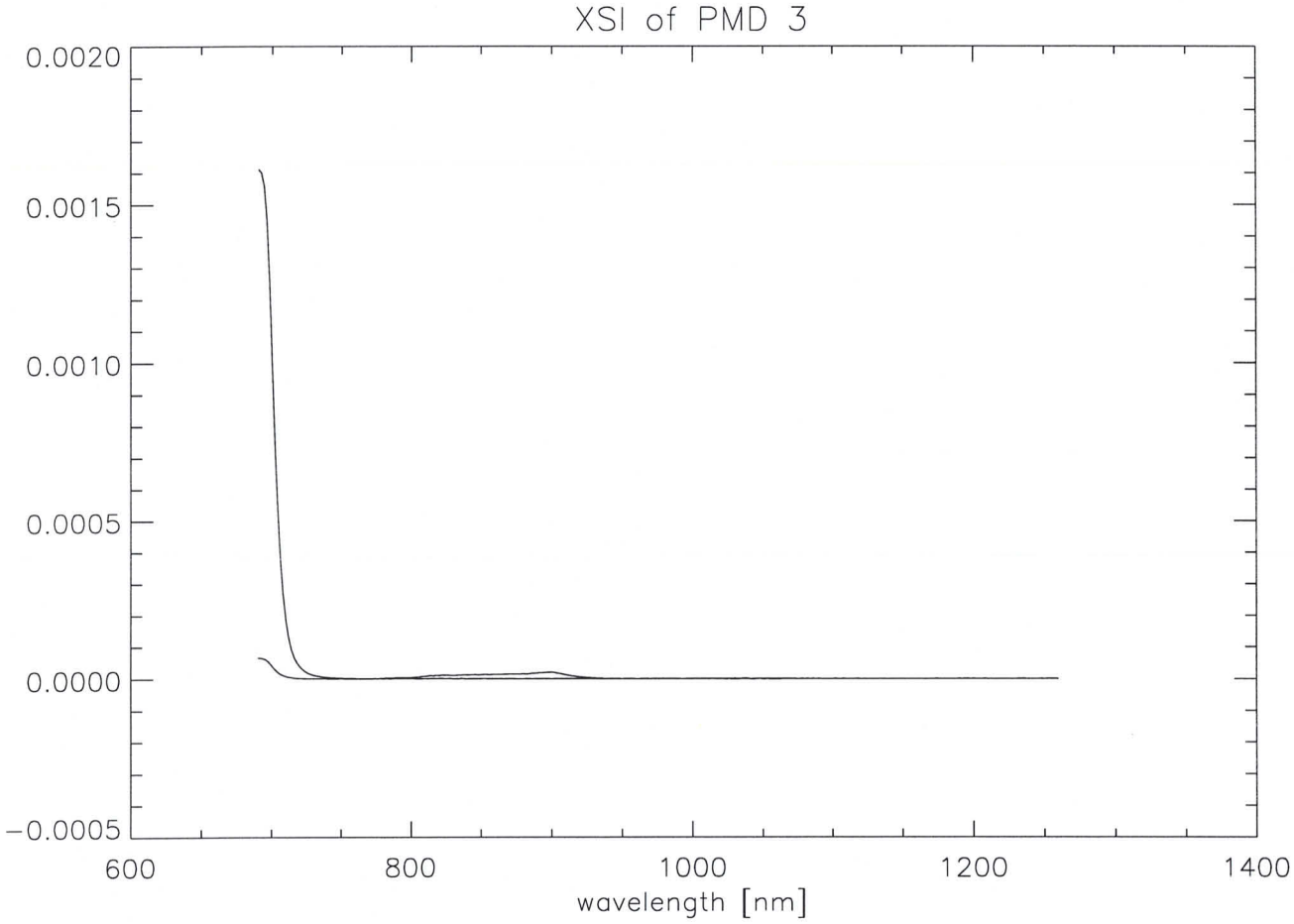

PMD 6 output
200
100
0
−100
−200
600
800
1000
1200
1400
wavelength [nm]

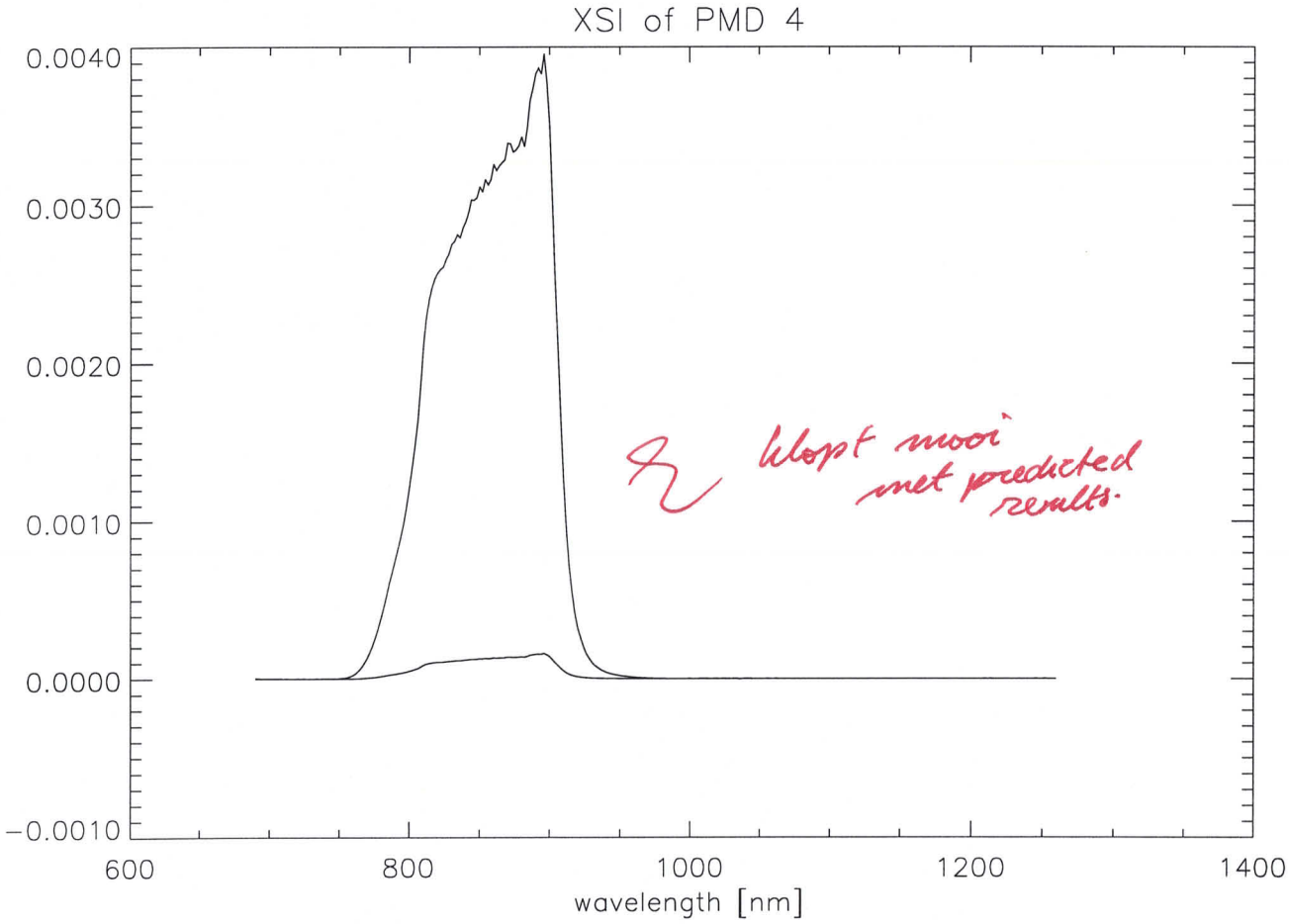

PMD 45 output
800
600
400
200
0
−200
600
800
1000
1200
1400
wavelength [nm]

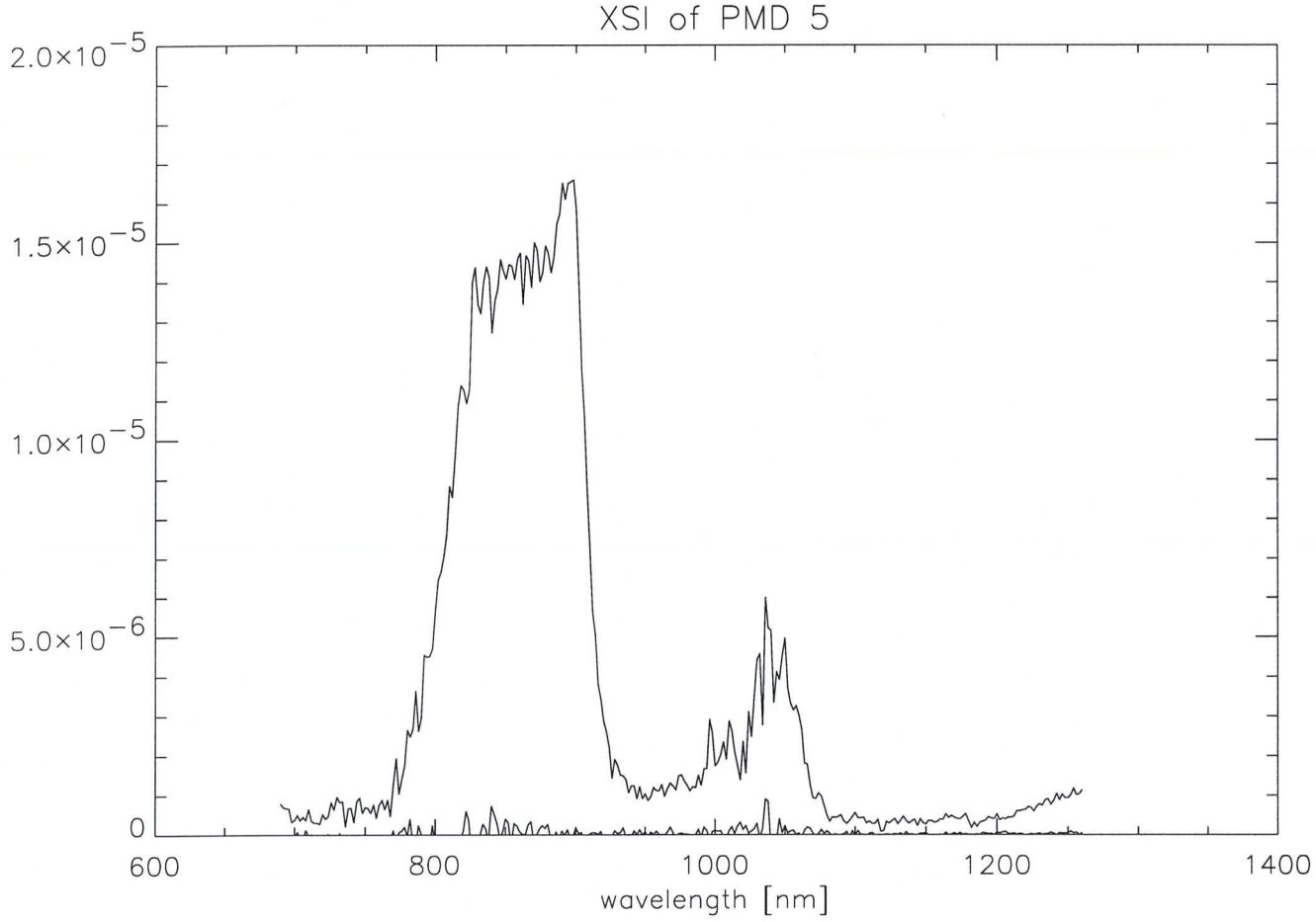

Sum of peak
1×10^6
8×10^5
6×10^5
4×10^5
2×10^5
0
600
800
1000
1200
1400
wavelength [nm]

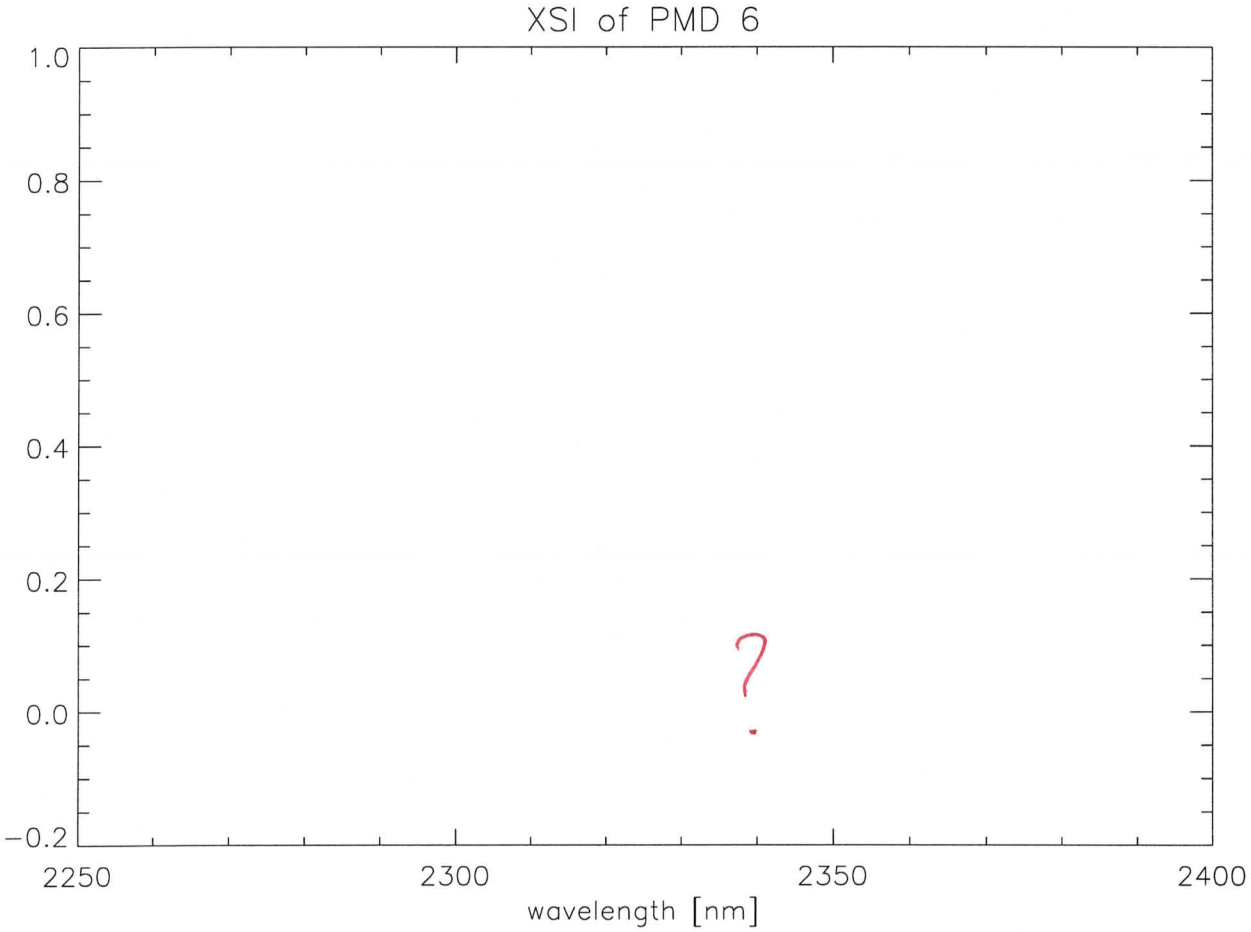

XSI of PMD 1
2.0×10−4
1.5×10−4
1.0×10−4
5.0×10−5
0
−5.0×10−5
600
800
1000
1200
1400
wavelength [nm]

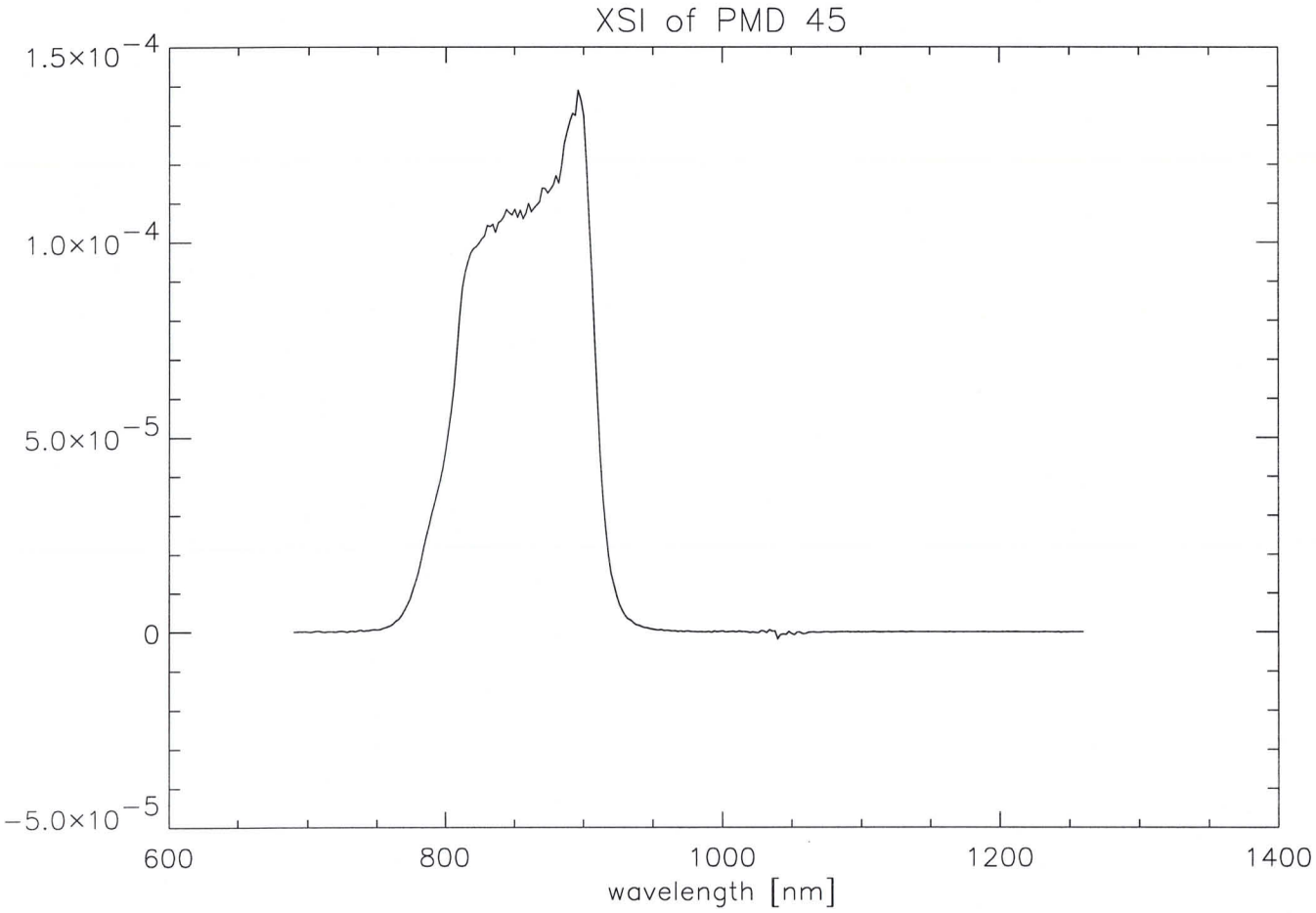

XSI of PMD 2
4.0×10−5
3.0×10−5
2.0×10−5
1.0×10−5
0
−1.0×10−5
600
800
1000
1200
1400
wavelength [nm]


XSI of PMD 3
0.0020
0.0015
0.0010
0.0005
0.0000
−0.0005
600
800
1000
1200
1400
wavelength [nm]


XSI of PMD 4
0.0040
0.0030
0.0020
0.0010
0.0000
−0.0010
600
800
1000
1200
1400
wavelength [nm]
klopt mooi
niet predicted
results.


XSI of PMD 5
2.0×10−5
1.5×10−5
1.0×10−5
5.0×10−6
0
600
800
1000
1200
1400
wavelength [nm]


XSI of PMD 6
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
2250
2300
2350
2400
wavelength [nm]
?


XSI of PMD 45
1.5×10−4
1.0×10−4
5.0×10−5
0
−5.0×10−5
600
800
1000
1200
1400
wavelength [nm]

#####
#####
#####
#####
#####
User: scia6!scia
#####
Title: scia_23081998_102405083.egse_ltf.du1.avg.p1.cal.data.log
#####
scia6
#####
Printed: Sun 23:26 Aug 23, 1998
#####
Job number: hp6mp-566
#####
#####
#####
#####
#####

```
Version:  0.1
Input files:  /disk1/scia/DATA-DIR/XSI-VisIR-II/3/control-file
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Processing:
Computation of XSI
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/latest/ppg.cal
ETALON correction filename used: /disk1/scia/DATA-DIR/CORR/latest/etalon.cal
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/wl.data
STRAYLIGHT correction filename used: /disk1/scia/DATA-DIR/CORR/latest/stray.da
cessing time: Sun Aug 23 23:16:24 1998
Output file name:
/disk1/scia/DATA-DIR/XSI-VisIR-II/3/scia_23081998_102405083.egse_ltf.du1.avg.p

```
690 825  scia_23081998_102405083.egse_ltf.du1.avg.cal
826 1260 scia_23081998_102405083.egse_ltf.du2.avg.cal
```

LOG SHEET SCHIAMACHY CALIBRATION

Date/Time	Description of action	Measurement directory
	Test run Xi-6 with new estimates for PET - Signal not saturated - Maximum signal $3.5 * 10^4$ - use these setting for actual measurement Data in Xi-VisIR-III/1	

Formal Run of Measurement

(Measurement ID) X1 - 6

Request for Actual Status
Request for Modification
Request for Run

(cross out entries that are **not** requested.)
(fill in only entries to be modified)
(no entries = run based on actual default settings)

Scanner Positions

Azimuth	+45	deg
Elevation	-45	deg

Timeline for each Data Acquisition Period during Measurement

	1	2	3	4	5	6	7	8	9	10
State ID	22									
Repetitions	1									

State Parameters for States used in Timeline (State ID must be given)

Channel	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding
1a	64	1						
1b	64	1						
2b	64	1						
2a	64	1						
3	64	1						
4	64	1						
5	64	1						
6	0,25	64						
7	2	32						
8	2	32						
State ID								

Normal 210 * 2 nM

test: 10 * 42 nM

Step 14-2

Stimuli Settings for Existing Blocks in Measurement

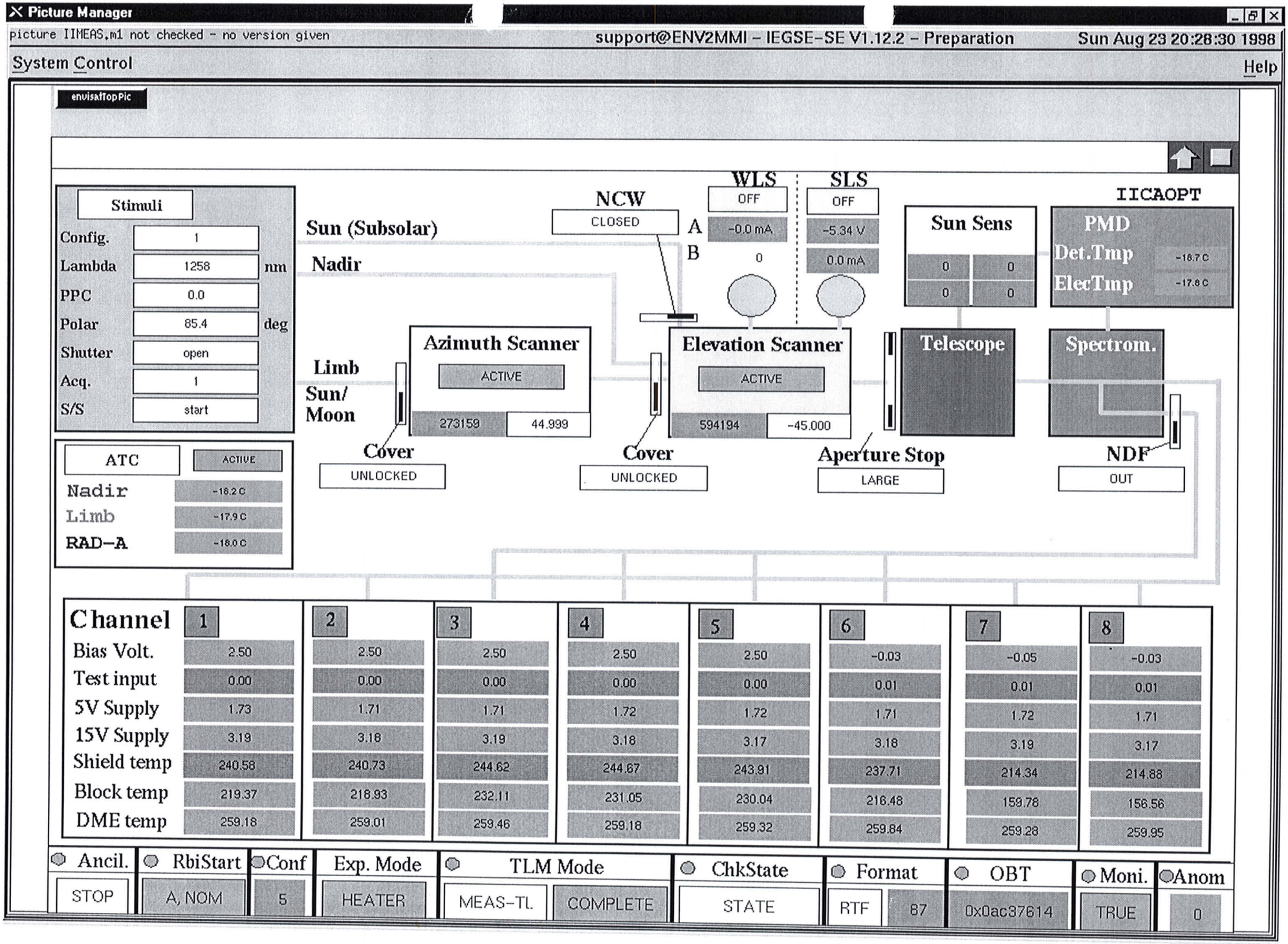
Block No	Stimuli Setup ID	PPC [deg]	Polarizer [deg]	Shutter open/close	Acquisition Time [s]	Lambda [nm] Start	Stop	Step	Repetition Factor	Message	OS Setup Time [s]
1	1	0	84,4	close	320	1240	1240	0	1	DU1	50
2	1	0	84,9	open	300	1240	1240	0	1	MP	0
3	1	0	84,9	open	320	1242	1660	42	209	MP	3
4	1	0	84,9	close	320	1660	1660	0	1	DU2	0
			85,4		1						

Measurement Data Description

Test Purpose	Check peak value
Remark	UID 15
Data Directory	0235_19.07.08_X1_6

Signatures

	Date	Signature
Issued	23-8-98	Marion Stoppelenburg
< Performed	23.8.98	A. Lue


Picture Manager
picture IIMEAS.m1 not checked - no version given
support@ENV2MMI - IEGSE-SE V1.12.2 - Preparation
Sun Aug 23 20:26:30 1998
System Control
Help
envisatTopPic
Stimuli
Config. 1
Lambda 1258 nm
PPC 0.0
Polar 85.4 deg
Shutter open
Acq. 1
S/S start
ATC ACTIVE
Nadir -18.2 C
Limb -17.9 C
RAD-A -18.0 C
Sun (Subsolar)
Nadir
Limb
Sun/
Moon
NCW
CLOSED
WLS
OFF
A -0.0 mA
B 0
SLS
OFF
-5.34 V
0.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -16.7 C
ElecTmp -17.8 C
Azimuth Scanner
ACTIVE
273159 44.999
Elevation Scanner
ACTIVE
594194 -45.000
Telescope
Spectrom.
Cover
UNLOCKED
Cover
UNLOCKED
Aperture Stop
LARGE
NDF
OUT
Channel 1 2 3 4 5 6 7 8
Bias Volt. 2.50 2.50 2.50 2.50 2.50 -0.03 -0.05 -0.03
Test input 0.00 0.00 0.00 0.00 0.00 0.01 0.01 0.01
5V Supply 1.73 1.71 1.71 1.72 1.72 1.71 1.72 1.71
15V Supply 3.19 3.18 3.19 3.18 3.17 3.18 3.19 3.17
Shield temp 240.58 240.73 244.62 244.67 243.91 237.71 214.34 214.88
Block temp 219.37 218.93 232.11 231.05 230.04 216.48 159.76 156.56
DME temp 259.18 259.01 259.46 259.18 259.32 259.84 259.28 259.95
Ancil. STOP
RbiStart A, NOM
Conf 5
Exp. Mode HEATER
TLM Mode MEAS-TL COMPLETE
ChkState STATE
Format RTF 87
OBT 0x0ac37614
Moni. TRUE
Anom 0

Formal Run of Measurement

(Measurement ID) X1-6

Request for Actual Status		(cross out entries that are **not** requested.)
Request for Modification	X	(fill in only entries to be modified)
Request for Run	X	(no entries = run based on actual default settings)

Scanner Positions

Azimuth	+45	deg
Elevation	-45	deg

Timeline for each Data Acquisition Period during Measurement

	1	2	3	4	5	6	7	8	9	10
State ID	229									
Repetitions	1									

State Parameters for States used in Timeline (State ID must be given)

Channel	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding
1a	64	1						
1b	64	1						
2b	64	1						
2a	64	1						
3	64	1						
4	64	1						
5	64	1						
6	0,25	64						
7	2	32						
8	2	32						
State ID								

Step 14-2

Stimuli Settings for Existing Blocks in Measurement

Block No	Stimuli Setup ID	PPC [deg]	Polarizer [deg]	Shutter open/close	Acquisition Time [s]	Lambda [nm] Start	Stop	Step	Repetition Factor	Message	OS Setup Time [s]
1	1	0	85.4	close	1	1240	1240	0	1	DU1	50
2	1	0	85.4	open	1	1240	1240	0	1	Mpos	0
3	1	0	85.4	open	1	1242	1660	2	1	Mpos	3
4	1	0	85.4	close	1	1660	1660	0	1	DU2	0

Measurement Data Description

Test Purpose	UID 15
Remark	
Data Directory	0235_20.05.4)_X1_6

Signatures

	Date	Signature
Issued	23-8-'98	M Stopp
< Performed	24-8-'98	

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	PJ Nijssen 240298	
	What's the name of the (main) data input files generated by the EGSE? `(*.dat)`	scia-23081998-20103870	(A)
	Setup a three-window configuration on your SUN.		see course descr.
Cnstr directory	`cd ~/DATA-DIR/XSI-VisIr-III/ ; ls -l` highest number in directory?	1	Note: In window DATA-DIR (B)
	New directory: `mkdir <B+1>` `ls -l` What's now the highest number in directory? <C> should be <B> + 1	2 Y / N	(C)
	directory name is:	`~/DATA-DIR/XSI-VisIR-III/<C>`	(DIR-NAME)
Copy data	See Analysis sheet: Transfer Data File	Y / N	In DATA-DIR window

Cnstr EGSE_LTF	`cal_raw2ltf .` (Error messages are not necessarily fatal; check with SOLAN --in solan window-- whether output file is okay: there should be a signal present, and `dremark1` labels should be filled)
	`ls -l *.egse_ltf`
	What's the name of the egse_ltf file
	`<D>` should be `<A>.egse_ltf`
		scia-23081998-20103870
		Y / N
			Note: In window DATA-DIR; ***don't forget the dot !!!;*** *May take more than 15 mins.* (D)

Cnstr CAL files	`idl run_fastaverscia` (and select file <D> when asked)		Note: In window IDL

Check CAL files	Dark files: `ls -l *du*.cal`		In DATA-DIR Window
	size:	both 146 Kb	should be approx 150Kb
	Monochromator ouput: `ls -l *mp<lambda>*.avg.cal` (where lambda is a wavelength indicator)		
	size:	All 146 Kb	should be approx 150Kb
	lambda ranges from:	1240	
	to:	1660	
	Note: all files should be present, if not: (a) Check file <D> using SOLAN and check whether `dremark1 l`abels are present. (b) Check if enough disk space is available (Unix command `df -k | more`).		
Print postscript	Pick a *.mp<lambda>.avg.cal file. `lpr -P<printer> *.avg.cal.ps`		
	Contents dark file `*du.avg.cal.ps` should be approx. constant within channels:	(Y) N	
	Contents of a file *mp<lambda>.avg.cal.ps should contain a peak signal in corresponding channel (cannot be seen in channels 7 and 8):	(Y) / N	
	Contents of *mp<lambda>.rel_std.cal.ps files should be smaller than 0.01 (pixel 300 -- 800) for all channels. If not, value is:	(Y) / N _____	
	Add postscript images to logbook, done	(Y) / N	
Print logfiles	`lpr -P<printer> *.log` Add logfiles to logbook, done	(Y) / N	

Xsi processing

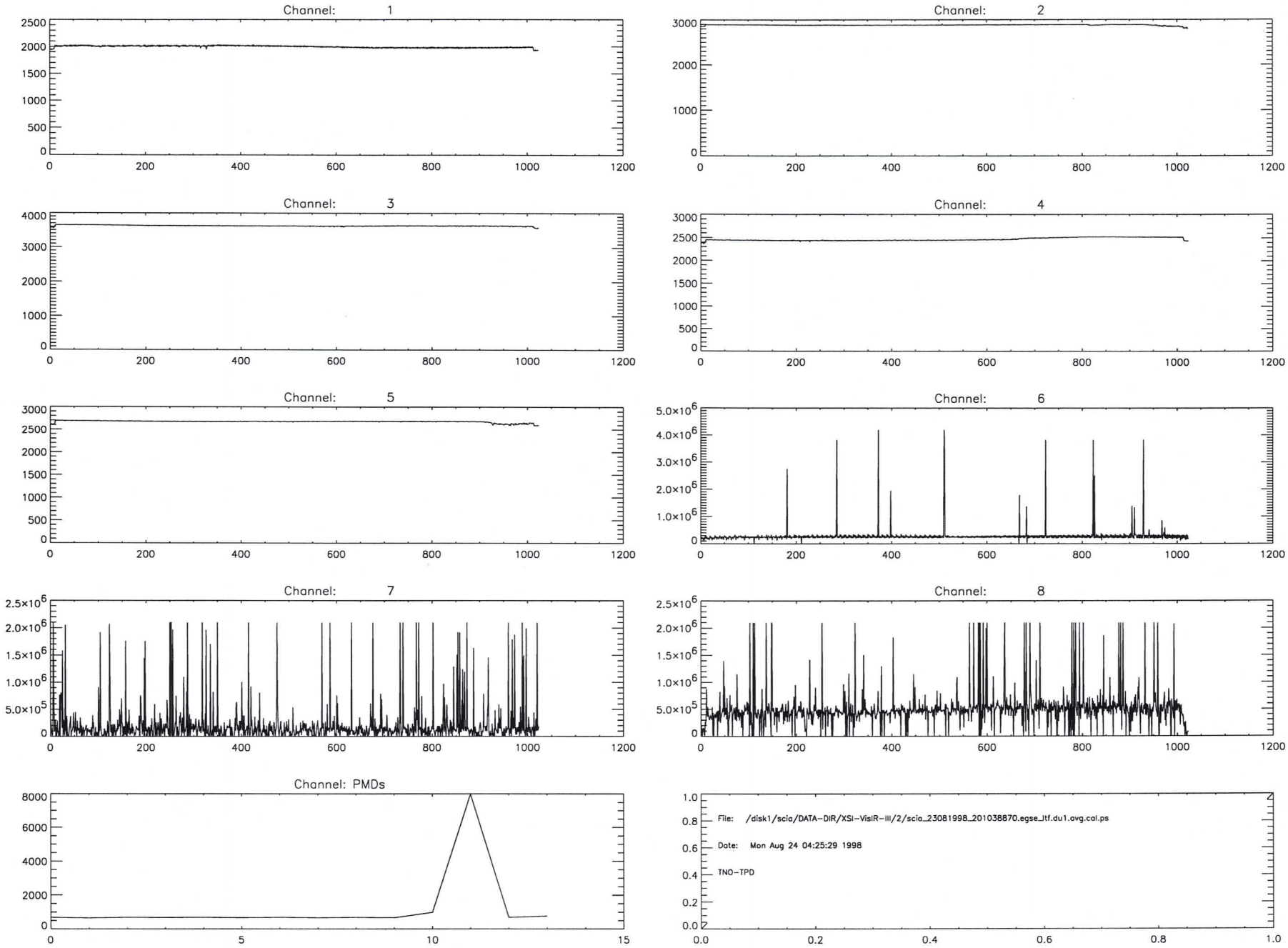
Control file	Construct `control-file` in dir. <DIR-NAME> where each line is of the form `<l1> <l2> <darkname>` (meaning that file `<darkname>` is to be used as dark measurement for monochromator outputs with wavelength `M` such that `<l1> <= M <= <l2>`). `lpr -P<printer> <DIR-NAME>/control-file` Add `control-file` to logbook, done	(Y) / N	
Run XSI	`idl do_xsi`		
Check XSI	`ls -l *.data` Size of file `<D>.du*.cal.data`	91363 b.	In DATA-DIR window
Check XSI visually	`idl do_xsi_processing`		In IDL window
	`lpr -P<printer> *.data.ps` Value of XSI resembles expected XSI (see [Predicted PFMcalibration results])? Add postscript images to logbook, done	(Y) / N (Y) / N	In DATA-DIR window Peaks higher than predicted PMD5 (lambda > 1600 region)
Print logfiles	`lpr -P<printer> *.data.log` Add logfiles to logbook, done	(Y) / N	

Back up	Create 3 sets of backup CDs of directory <DIR-NAME> (One CD has a capacity of 600 Mbytes, the UNIX command `/usr/bin/du -k .` gives the number of kilo bytes in the current directory). Name of backup CDs	2408 948	See analysis sheet BackUp

Sign:	Name	BZW
	Date and time	24/8/98 5 ATC

Signature

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	PJ Nissen 24 08 98	
	What's the name of the (main) data input files that you want to store on the SUN named `scia6`?	scia_23081998_201038870.dat (A)	
	Setup a three-window configuration on your SUN.		See course descr.
Do Transfer	Be sure that you are in the directory you want your files in ftp <internet-address>, where you can find the address of the PC in the file `/etc/hosts` (entry: cdwpc). The address will also be next to you on paper (most probably).		In DATA-DIR window
	When asked for user, fill in: `anonymous`, when asked for an email address, fill in your email address on TPD.		In DATA window
	Set in binary: `binary` `mget *` (and return `y` to every file).		Approx. 140 kB
	`bye`		
Sign:	Name Date and time Signature	PJ 24 08 98 4:20	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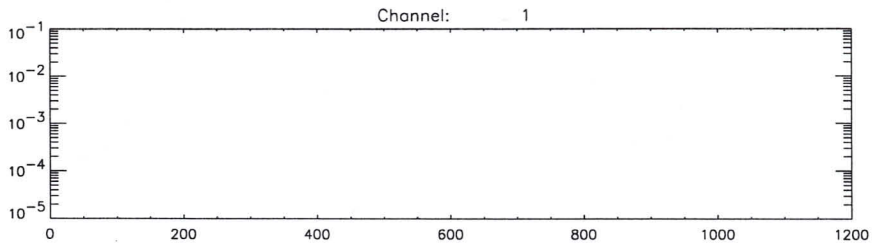
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.du1.avg.cal.ps
Date: Mon Aug 24 04:25:29 1998
TNO-TPD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10^{-4}
10^{-5}
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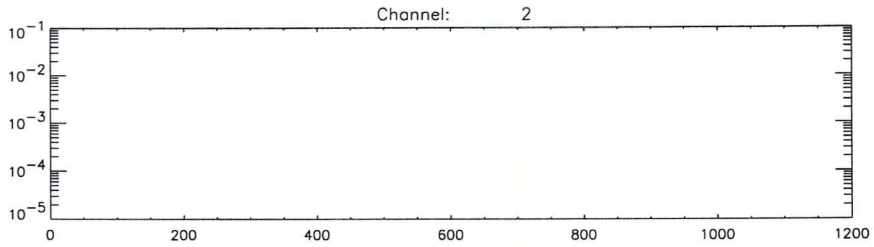
400
600
800
1000
1200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1000
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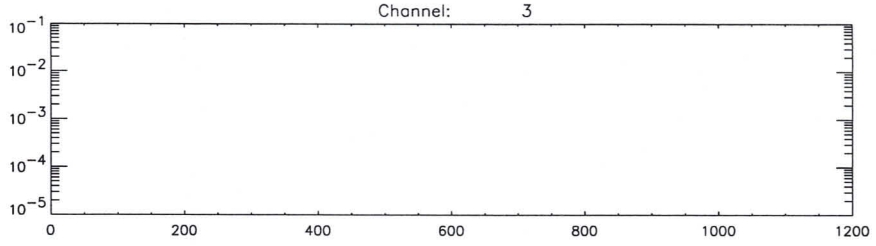
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10^{-4}
10^{-5}
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600
800
1000
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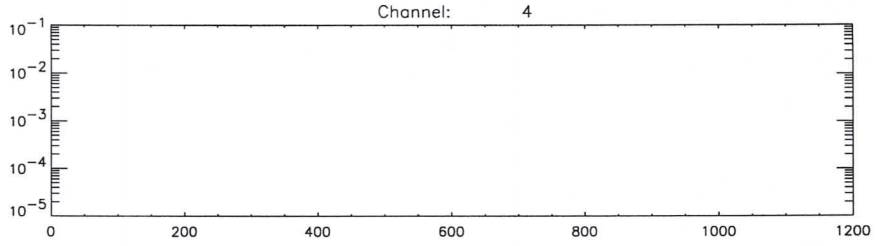
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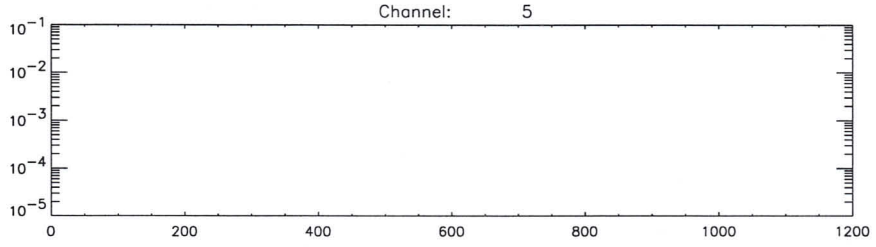
600
800
1000
1200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10^{-4}
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600
800
1000
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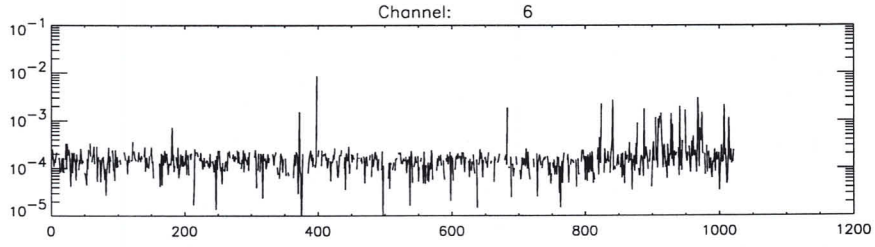
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10^{-4}
10^{-5}
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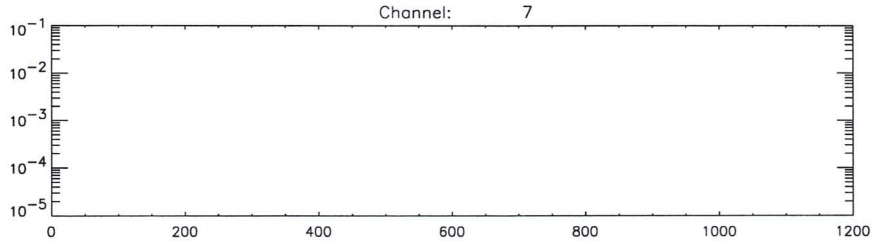
600
800
1000
1200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10^{-4}
10^{-5}
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600
800
1000
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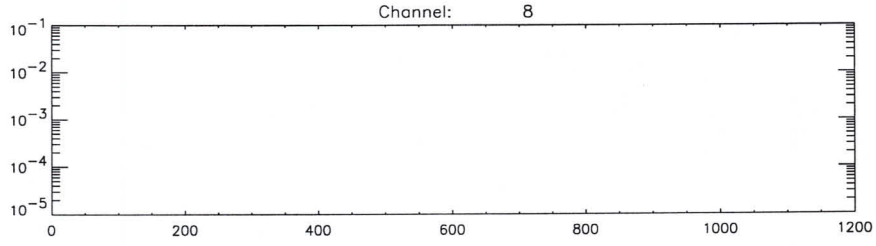
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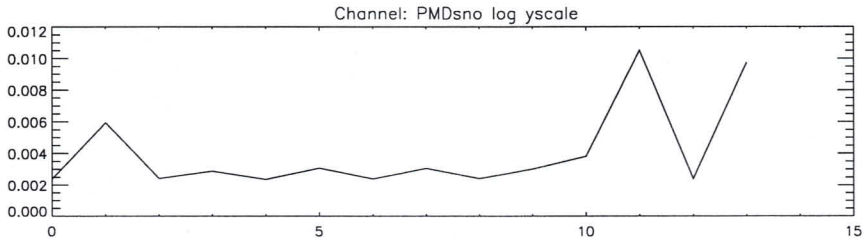
400
600
800
1000
1200


Channel: PMDsno log yscale
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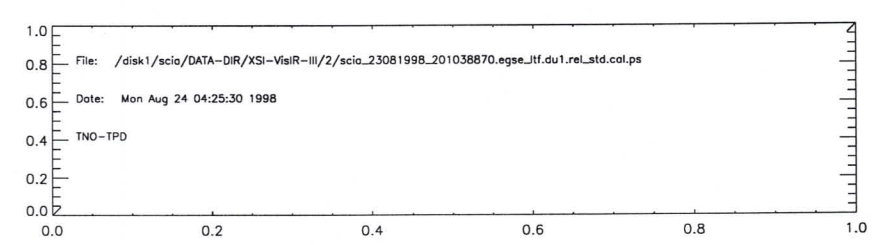
0.008
0.006
0.004
0.002
0.000
0
5
10
15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Date: Mon Aug 24 04:25:30 1998
TNO-TPD
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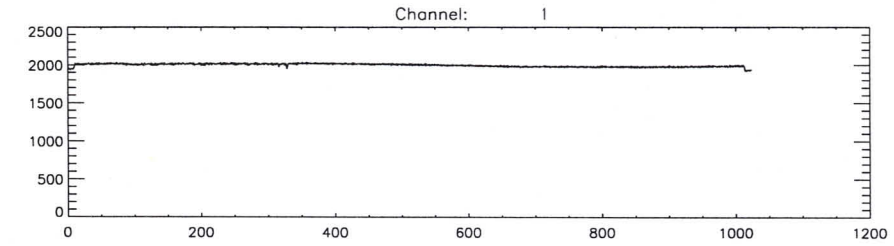
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0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0
0
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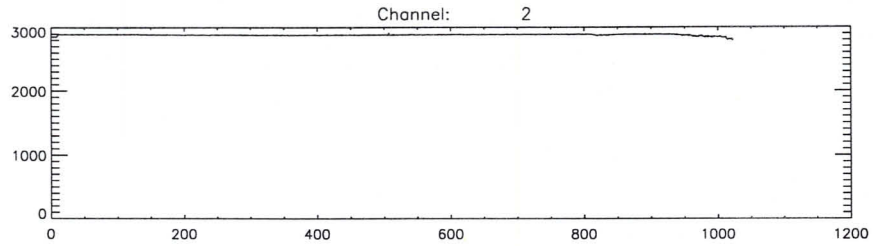
600
800
1000
1200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2000
1000
0
0
200
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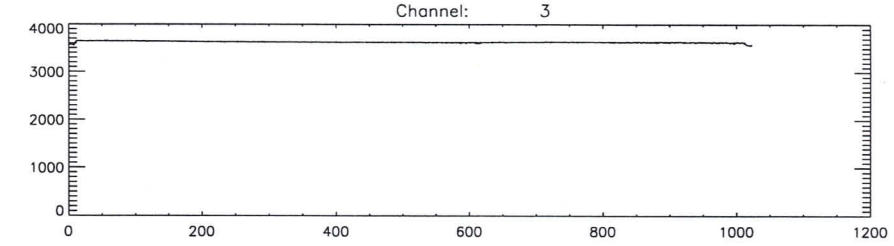
600
800
1000
1200


Channel: 3
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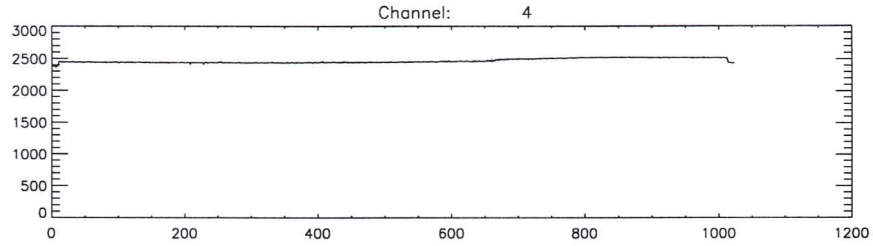
3000
2000
1000
0
0
200
400
600
800
1000
1200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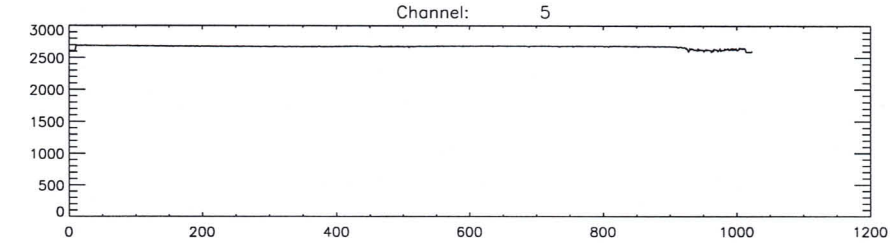
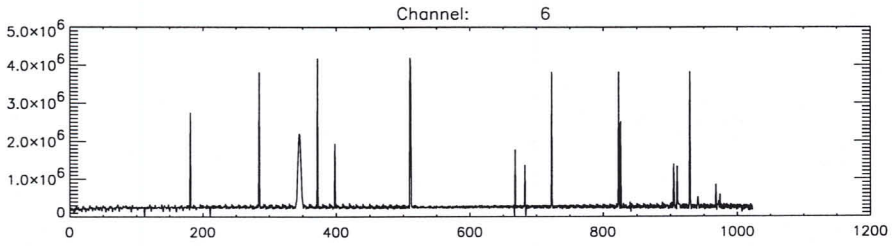
2000
1500
1000
500
0
0
200
400
600
800
1000
1200


Channel: 5
3000
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200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5.0×10^6
4.0×10^6
3.0×10^6
2.0×10^6
1.0×10^6
0
0
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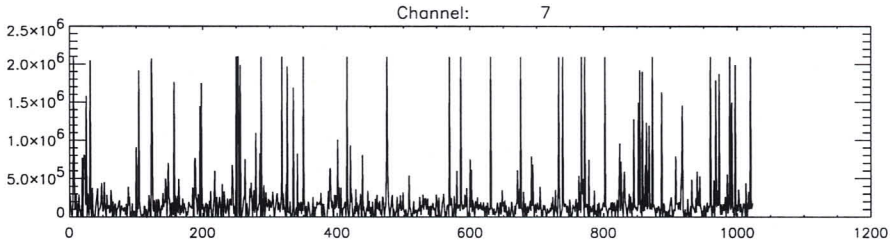
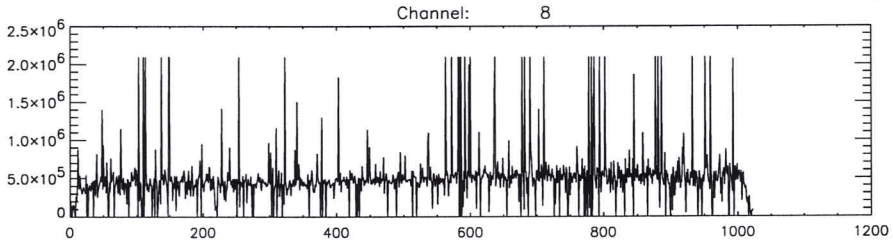
600
800
1000
1200


Channel: 7
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
200
400
600
800
1000
1200


Channel: 8
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
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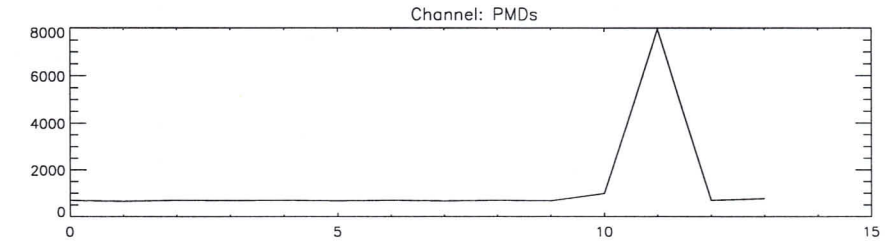
400
600
800
1000
1200


Channel: PMDs
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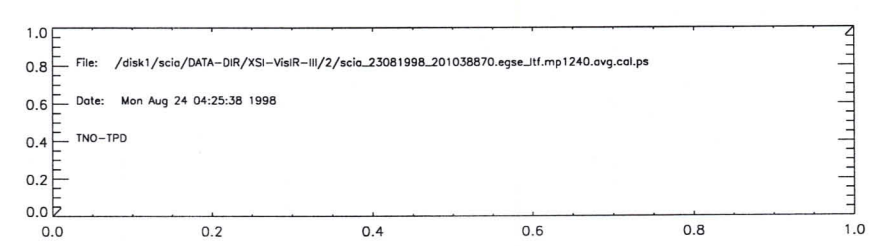
6000
4000
2000
0
0
5
10
15


File: /disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_itf.mp1240.avg.cal.ps
Date: Mon Aug 24 04:25:38 1998
TNO-TPD
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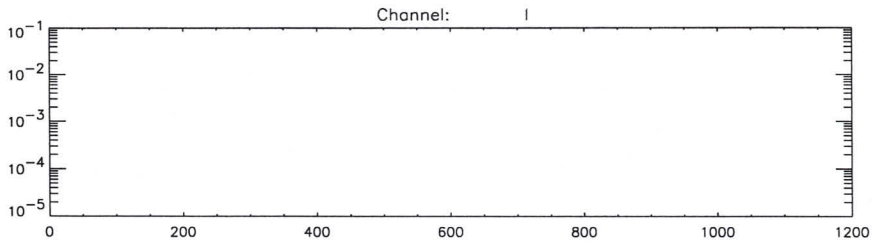
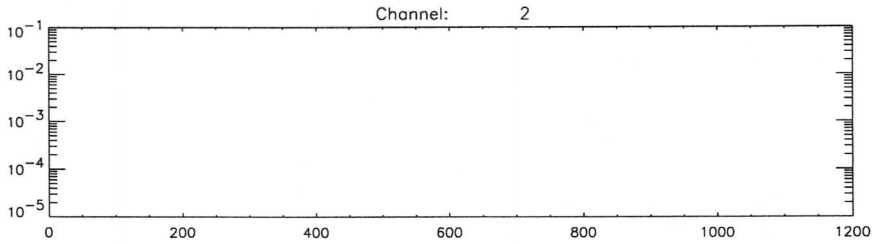
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel: 1
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: 2
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10^{-2}
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600
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1000
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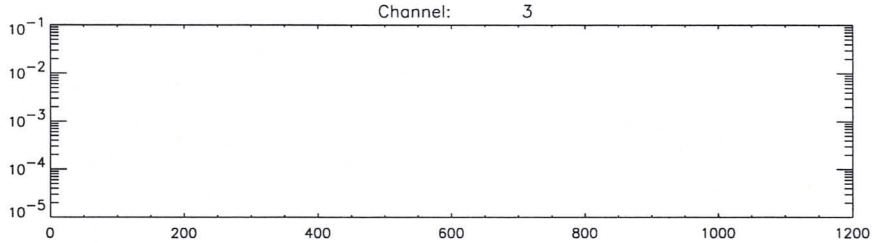
Channel: 3
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10^{-5}
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1000
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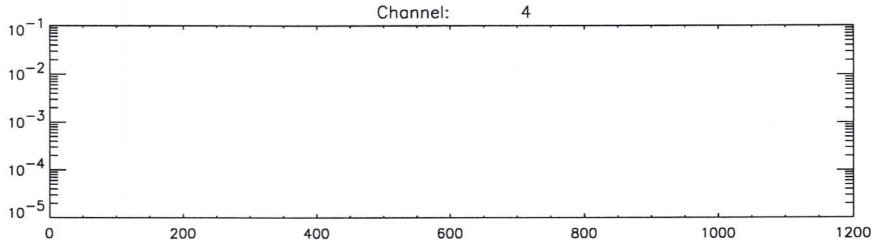
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10^{-4}
10^{-5}
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600
800
1000
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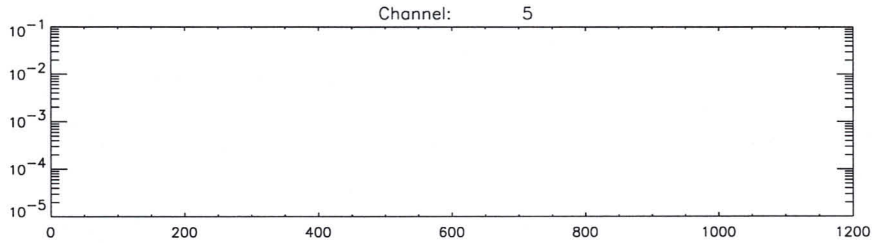
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1000
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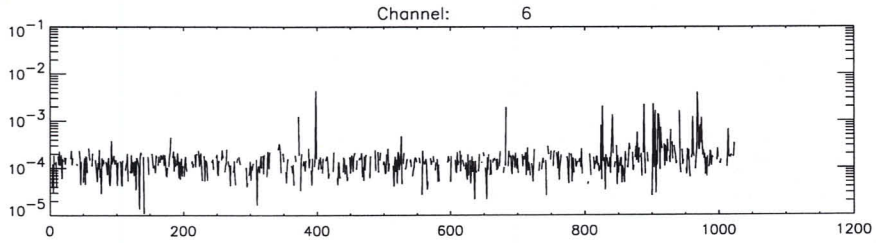
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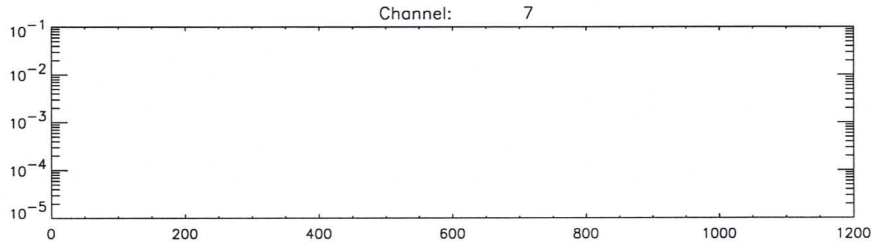
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600
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1000
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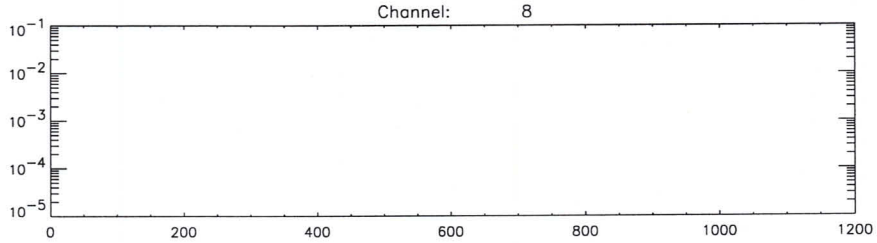
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10^{-4}
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600
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1000
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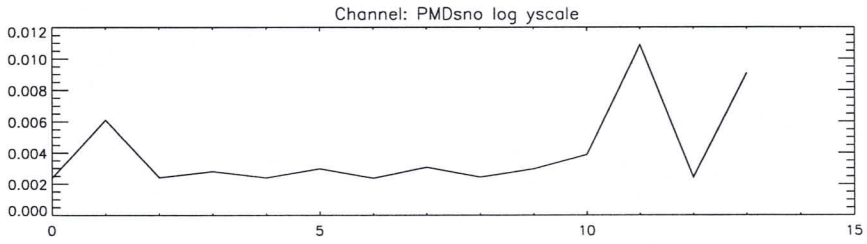
Channel: PMDsno log yscale
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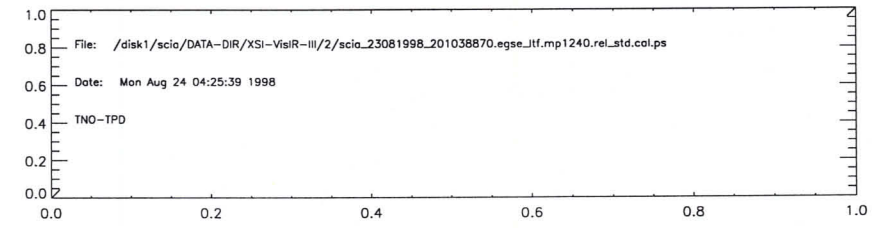
File: /disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_itf.mp1240.rel_std.cal.ps
Date: Mon Aug 24 04:25:39 1998
TNO-TPD
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0.6
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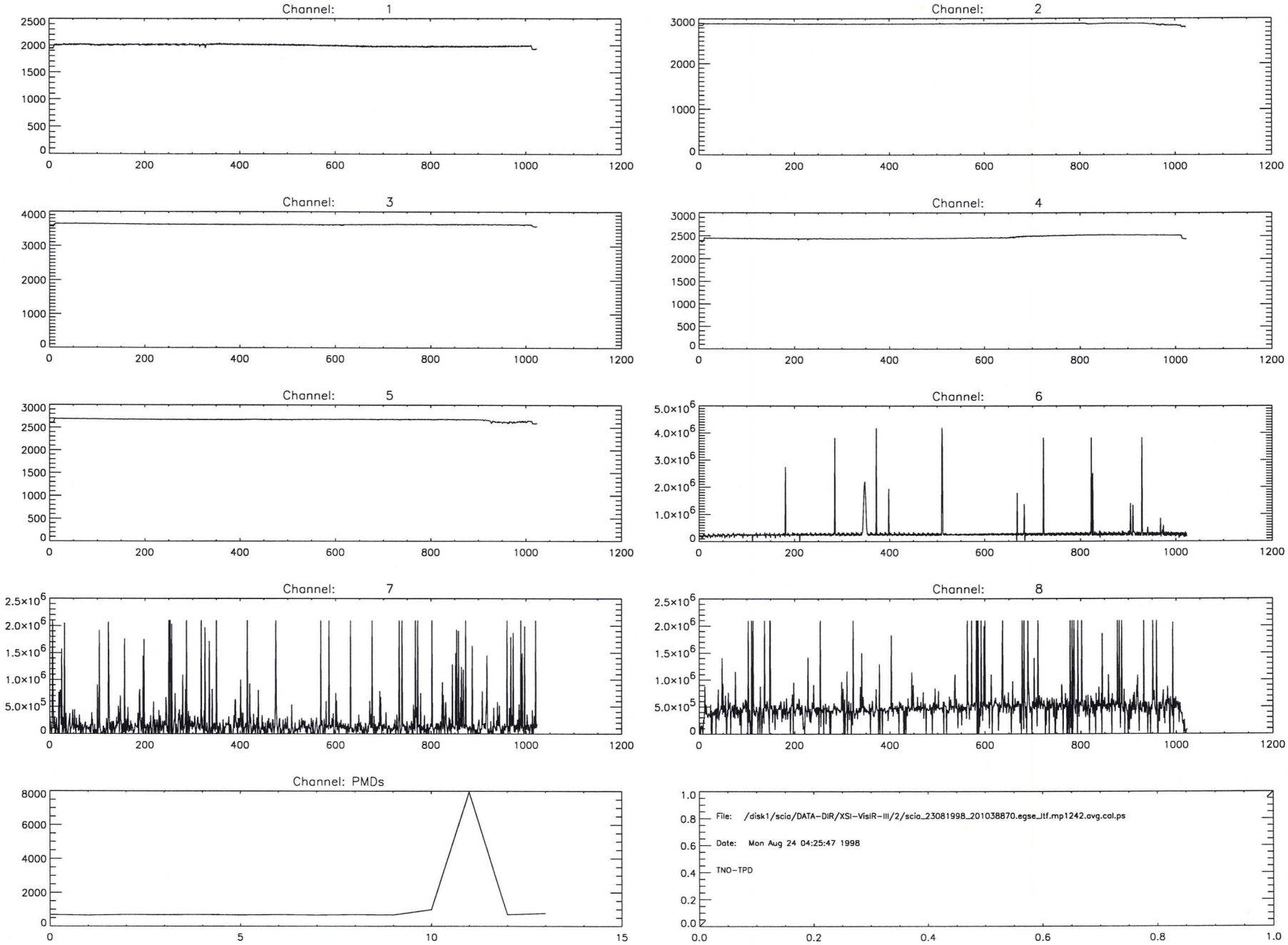
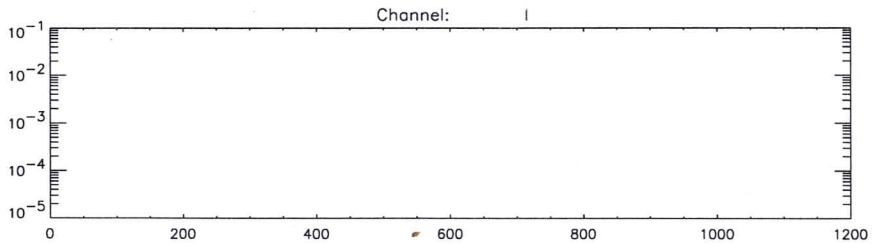
0.0
0.2
0.4
0.6
0.8
1.0


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_itf.mp1242.avg.col.ps
Date: Mon Aug 24 04:25:47 1998
TNO-TPD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10^{-3}
10^{-4}
10^{-5}
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600
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1000
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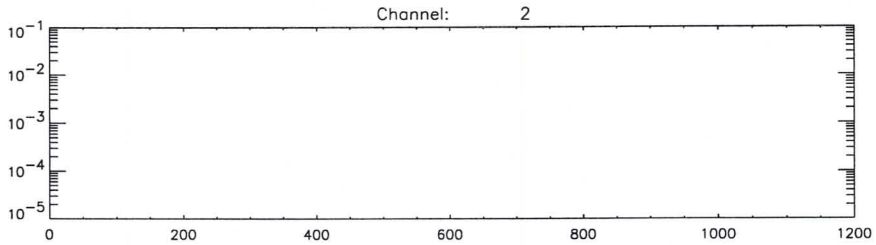
Channel: 2
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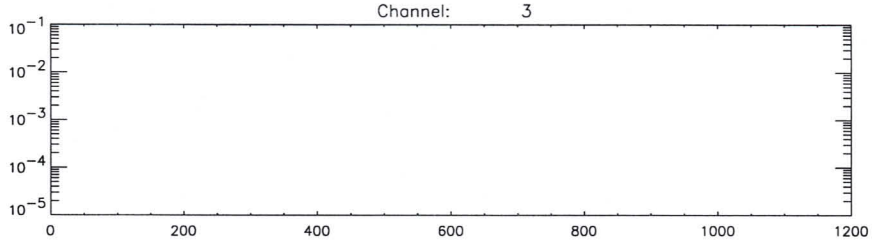
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: 3
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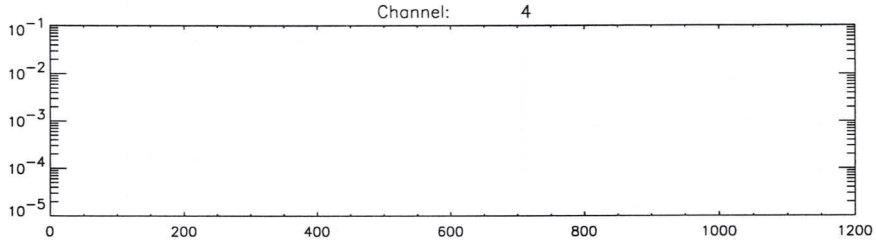
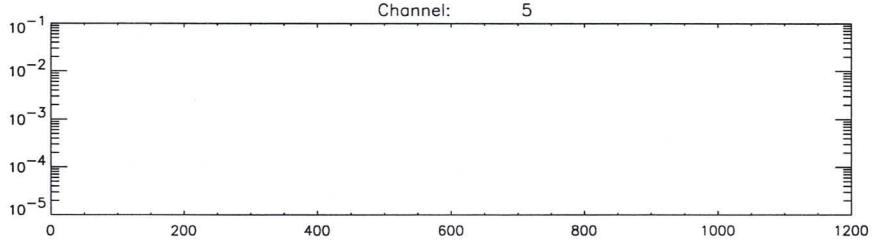
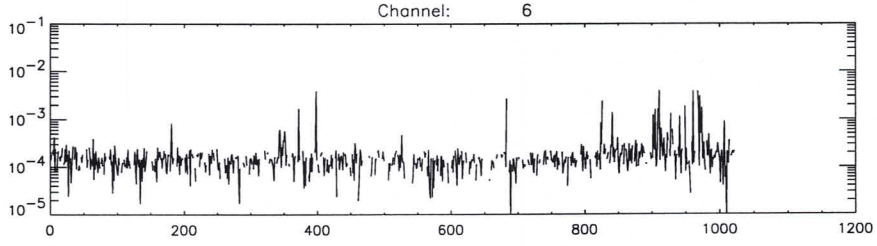
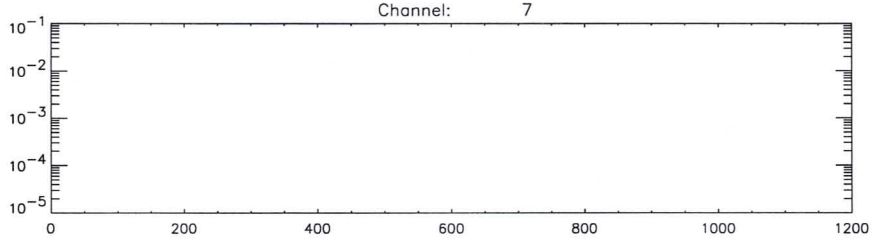
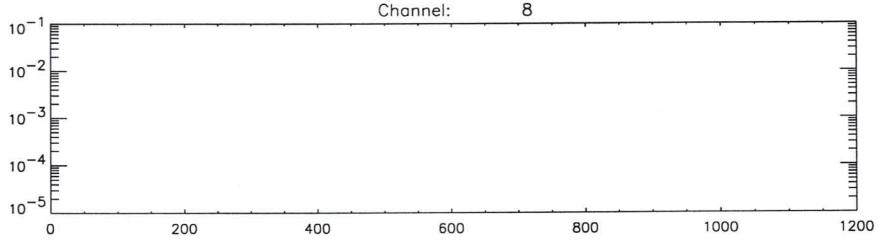
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

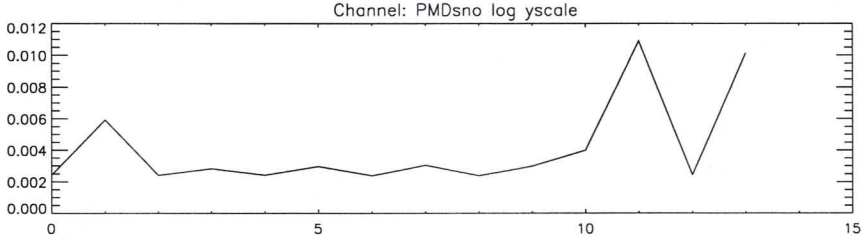

Channel: 4
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

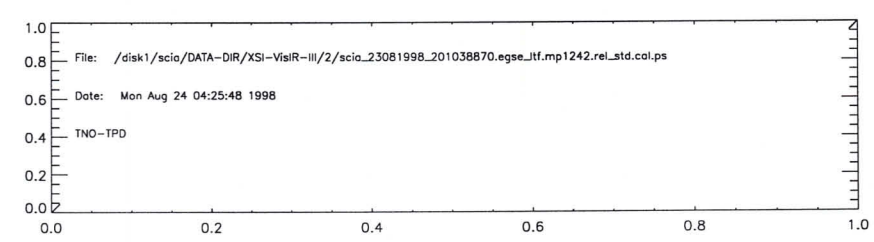

Channel: 5
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: 6
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: 7
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: 8
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: PMDsno log yscale
0.012
0.010
0.008
0.006
0.004
0.002
0.000
0
5
10
15


File: /disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1242.rel_std.cal.ps
Date: Mon Aug 24 04:25:48 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

```
scia6[487]/disk1/scia/DATA-DIR/XSI-VisIR-III/2% ls *.log
scia_23081998_201038870.egse_ltf.du1.log
scia_23081998_201038870.egse_ltf.du2.log
scia_23081998_201038870.egse_ltf.mp1240.log
scia_23081998_201038870.egse_ltf.mp1242.log
scia_23081998_201038870.egse_ltf.mp1244.log
scia_23081998_201038870.egse_ltf.mp1246.log
scia_23081998_201038870.egse_ltf.mp1248.log
scia_23081998_201038870.egse_ltf.mp1250.log
scia_23081998_201038870.egse_ltf.mp1252.log
scia_23081998_201038870.egse_ltf.mp1254.log
scia_23081998_201038870.egse_ltf.mp1256.log
scia_23081998_201038870.egse_ltf.mp1258.log
scia_23081998_201038870.egse_ltf.mp1260.log
scia_23081998_201038870.egse_ltf.mp1262.log
scia_23081998_201038870.egse_ltf.mp1264.log
scia_23081998_201038870.egse_ltf.mp1266.log
scia_23081998_201038870.egse_ltf.mp1268.log
scia_23081998_201038870.egse_ltf.mp1270.log
scia_23081998_201038870.egse_ltf.mp1272.log
scia_23081998_201038870.egse_ltf.mp1274.log
scia_23081998_201038870.egse_ltf.mp1276.log
;   a_23081998_201038870.egse_ltf.mp1278.log
scia_23081998_201038870.egse_ltf.mp1280.log
scia_23081998_201038870.egse_ltf.mp1282.log
scia_23081998_201038870.egse_ltf.mp1284.log
scia_23081998_201038870.egse_ltf.mp1286.log
scia_23081998_201038870.egse_ltf.mp1288.log
scia_23081998_201038870.egse_ltf.mp1290.log
scia_23081998_201038870.egse_ltf.mp1292.log
scia_23081998_201038870.egse_ltf.mp1294.log
scia_23081998_201038870.egse_ltf.mp1296.log
scia_23081998_201038870.egse_ltf.mp1298.log
scia_23081998_201038870.egse_ltf.mp1300.log
scia_23081998_201038870.egse_ltf.mp1302.log
scia_23081998_201038870.egse_ltf.mp1304.log
scia_23081998_201038870.egse_ltf.mp1306.log
scia_23081998_201038870.egse_ltf.mp1308.log
scia_23081998_201038870.egse_ltf.mp1310.log
scia_23081998_201038870.egse_ltf.mp1312.log
scia_23081998_201038870.egse_ltf.mp1314.log
;   a_23081998_201038870.egse_ltf.mp1316.log
scia_23081998_201038870.egse_ltf.mp1318.log
scia_23081998_201038870.egse_ltf.mp1320.log
scia_23081998_201038870.egse_ltf.mp1322.log
scia_23081998_201038870.egse_ltf.mp1324.log
scia_23081998_201038870.egse_ltf.mp1326.log
scia_23081998_201038870.egse_ltf.mp1328.log
scia_23081998_201038870.egse_ltf.mp1330.log
scia_23081998_201038870.egse_ltf.mp1332.log
scia_23081998_201038870.egse_ltf.mp1334.log
scia_23081998_201038870.egse_ltf.mp1336.log
scia_23081998_201038870.egse_ltf.mp1338.log
scia_23081998_201038870.egse_ltf.mp1340.log
scia_23081998_201038870.egse_ltf.mp1342.log
scia_23081998_201038870.egse_ltf.mp1344.log
scia_23081998_201038870.egse_ltf.mp1346.log
scia_23081998_201038870.egse_ltf.mp1348.log
scia_23081998_201038870.egse_ltf.mp1350.log
scia_23081998_201038870.egse_ltf.mp1352.log
scia_23081998_201038870.egse_ltf.mp1354.log
scia_23081998_201038870.egse_ltf.mp1356.log
scia_23081998_201038870.egse_ltf.mp1358.log
scia_23081998_201038870.egse_ltf.mp1360.log
```

scia_23081998_201038870.egse_ltf.mp1362.log
scia_23081998_201038870.egse_ltf.mp1364.log
scia_23081998_201038870.egse_ltf.mp1366.log
scia_23081998_201038870.egse_ltf.mp1368.log
scia_23081998_201038870.egse_ltf.mp1370.log
scia_23081998_201038870.egse_ltf.mp1372.log
scia_23081998_201038870.egse_ltf.mp1374.log
scia_23081998_201038870.egse_ltf.mp1376.log
scia_23081998_201038870.egse_ltf.mp1378.log
scia_23081998_201038870.egse_ltf.mp1380.log
scia_23081998_201038870.egse_ltf.mp1382.log
scia_23081998_201038870.egse_ltf.mp1384.log
scia_23081998_201038870.egse_ltf.mp1386.log
scia_23081998_201038870.egse_ltf.mp1388.log
scia_23081998_201038870.egse_ltf.mp1390.log
scia_23081998_201038870.egse_ltf.mp1392.log
scia_23081998_201038870.egse_ltf.mp1394.log
scia_23081998_201038870.egse_ltf.mp1396.log
scia_23081998_201038870.egse_ltf.mp1398.log
scia_23081998_201038870.egse_ltf.mp1400.log
scia_23081998_201038870.egse_ltf.mp1402.log
scia_23081998_201038870.egse_ltf.mp1404.log
ş a_23081998_201038870.egse_ltf.mp1406.log
scıa_23081998_201038870.egse_ltf.mp1408.log
scia_23081998_201038870.egse_ltf.mp1410.log
scia_23081998_201038870.egse_ltf.mp1412.log
scia_23081998_201038870.egse_ltf.mp1414.log
scia_23081998_201038870.egse_ltf.mp1416.log
scia_23081998_201038870.egse_ltf.mp1418.log
scia_23081998_201038870.egse_ltf.mp1420.log
scia_23081998_201038870.egse_ltf.mp1422.log
scia_23081998_201038870.egse_ltf.mp1424.log
scia_23081998_201038870.egse_ltf.mp1426.log
scia_23081998_201038870.egse_ltf.mp1428.log
scia_23081998_201038870.egse_ltf.mp1430.log
scia_23081998_201038870.egse_ltf.mp1432.log
scia_23081998_201038870.egse_ltf.mp1434.log
scia_23081998_201038870.egse_ltf.mp1436.log
scia_23081998_201038870.egse_ltf.mp1438.log
scia_23081998_201038870.egse_ltf.mp1440.log
scia_23081998_201038870.egse_ltf.mp1442.log
ş a_23081998_201038870.egse_ltf.mp1444.log
scıa_23081998_201038870.egse_ltf.mp1446.log
scia_23081998_201038870.egse_ltf.mp1448.log
scia_23081998_201038870.egse_ltf.mp1450.log
scia_23081998_201038870.egse_ltf.mp1452.log
scia_23081998_201038870.egse_ltf.mp1454.log
scia_23081998_201038870.egse_ltf.mp1456.log
scia_23081998_201038870.egse_ltf.mp1458.log
scia_23081998_201038870.egse_ltf.mp1460.log
scia_23081998_201038870.egse_ltf.mp1462.log
scia_23081998_201038870.egse_ltf.mp1464.log
scia_23081998_201038870.egse_ltf.mp1466.log
scia_23081998_201038870.egse_ltf.mp1468.log
scia_23081998_201038870.egse_ltf.mp1470.log
scia_23081998_201038870.egse_ltf.mp1472.log
scia_23081998_201038870.egse_ltf.mp1474.log
scia_23081998_201038870.egse_ltf.mp1476.log
scia_23081998_201038870.egse_ltf.mp1478.log
scia_23081998_201038870.egse_ltf.mp1480.log
scia_23081998_201038870.egse_ltf.mp1482.log
scia_23081998_201038870.egse_ltf.mp1484.log
scia_23081998_201038870.egse_ltf.mp1486.log
scia_23081998_201038870.egse_ltf.mp1488.log

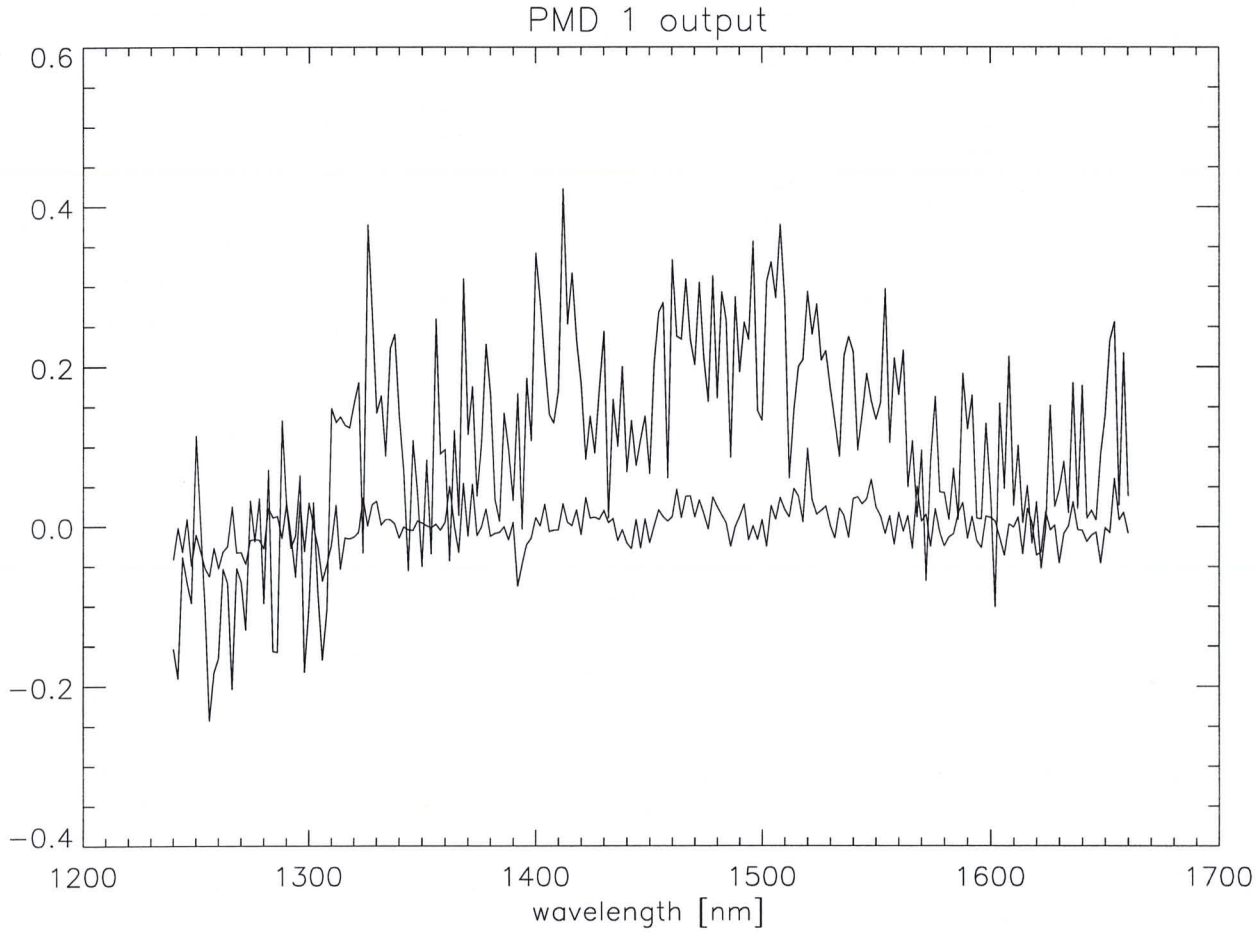
scia_23081998_201038870.egse_ltf.mp1490.log
scia_23081998_201038870.egse_ltf.mp1492.log
scia_23081998_201038870.egse_ltf.mp1494.log
scia_23081998_201038870.egse_ltf.mp1496.log
scia_23081998_201038870.egse_ltf.mp1498.log
scia_23081998_201038870.egse_ltf.mp1500.log
scia_23081998_201038870.egse_ltf.mp1502.log
scia_23081998_201038870.egse_ltf.mp1504.log
scia_23081998_201038870.egse_ltf.mp1506.log
scia_23081998_201038870.egse_ltf.mp1508.log
scia_23081998_201038870.egse_ltf.mp1510.log
scia_23081998_201038870.egse_ltf.mp1512.log
scia_23081998_201038870.egse_ltf.mp1514.log
scia_23081998_201038870.egse_ltf.mp1516.log
scia_23081998_201038870.egse_ltf.mp1518.log
scia_23081998_201038870.egse_ltf.mp1520.log
scia_23081998_201038870.egse_ltf.mp1522.log
scia_23081998_201038870.egse_ltf.mp1524.log
scia_23081998_201038870.egse_ltf.mp1526.log
scia_23081998_201038870.egse_ltf.mp1528.log
scia_23081998_201038870.egse_ltf.mp1530.log
scia_23081998_201038870.egse_ltf.mp1532.log
s a_23081998_201038870.egse_ltf.mp1534.log
scia_23081998_201038870.egse_ltf.mp1536.log
scia_23081998_201038870.egse_ltf.mp1538.log
scia_23081998_201038870.egse_ltf.mp1540.log
scia_23081998_201038870.egse_ltf.mp1542.log
scia_23081998_201038870.egse_ltf.mp1544.log
scia_23081998_201038870.egse_ltf.mp1546.log
scia_23081998_201038870.egse_ltf.mp1548.log
scia_23081998_201038870.egse_ltf.mp1550.log
scia_23081998_201038870.egse_ltf.mp1552.log
scia_23081998_201038870.egse_ltf.mp1554.log
scia_23081998_201038870.egse_ltf.mp1556.log
scia_23081998_201038870.egse_ltf.mp1558.log
scia_23081998_201038870.egse_ltf.mp1560.log
scia_23081998_201038870.egse_ltf.mp1562.log
scia_23081998_201038870.egse_ltf.mp1564.log
scia_23081998_201038870.egse_ltf.mp1566.log
scia_23081998_201038870.egse_ltf.mp1568.log
scia_23081998_201038870.egse_ltf.mp1570.log
s a_23081998_201038870.egse_ltf.mp1572.log
scia_23081998_201038870.egse_ltf.mp1574.log
scia_23081998_201038870.egse_ltf.mp1576.log
scia_23081998_201038870.egse_ltf.mp1578.log
scia_23081998_201038870.egse_ltf.mp1580.log
scia_23081998_201038870.egse_ltf.mp1582.log
scia_23081998_201038870.egse_ltf.mp1584.log
scia_23081998_201038870.egse_ltf.mp1586.log
scia_23081998_201038870.egse_ltf.mp1588.log
scia_23081998_201038870.egse_ltf.mp1590.log
scia_23081998_201038870.egse_ltf.mp1592.log
scia_23081998_201038870.egse_ltf.mp1594.log
scia_23081998_201038870.egse_ltf.mp1596.log
scia_23081998_201038870.egse_ltf.mp1598.log
scia_23081998_201038870.egse_ltf.mp1600.log
scia_23081998_201038870.egse_ltf.mp1602.log
scia_23081998_201038870.egse_ltf.mp1604.log
scia_23081998_201038870.egse_ltf.mp1606.log
scia_23081998_201038870.egse_ltf.mp1608.log
scia_23081998_201038870.egse_ltf.mp1610.log
scia_23081998_201038870.egse_ltf.mp1612.log
scia_23081998_201038870.egse_ltf.mp1614.log
scia_23081998_201038870.egse_ltf.mp1616.log

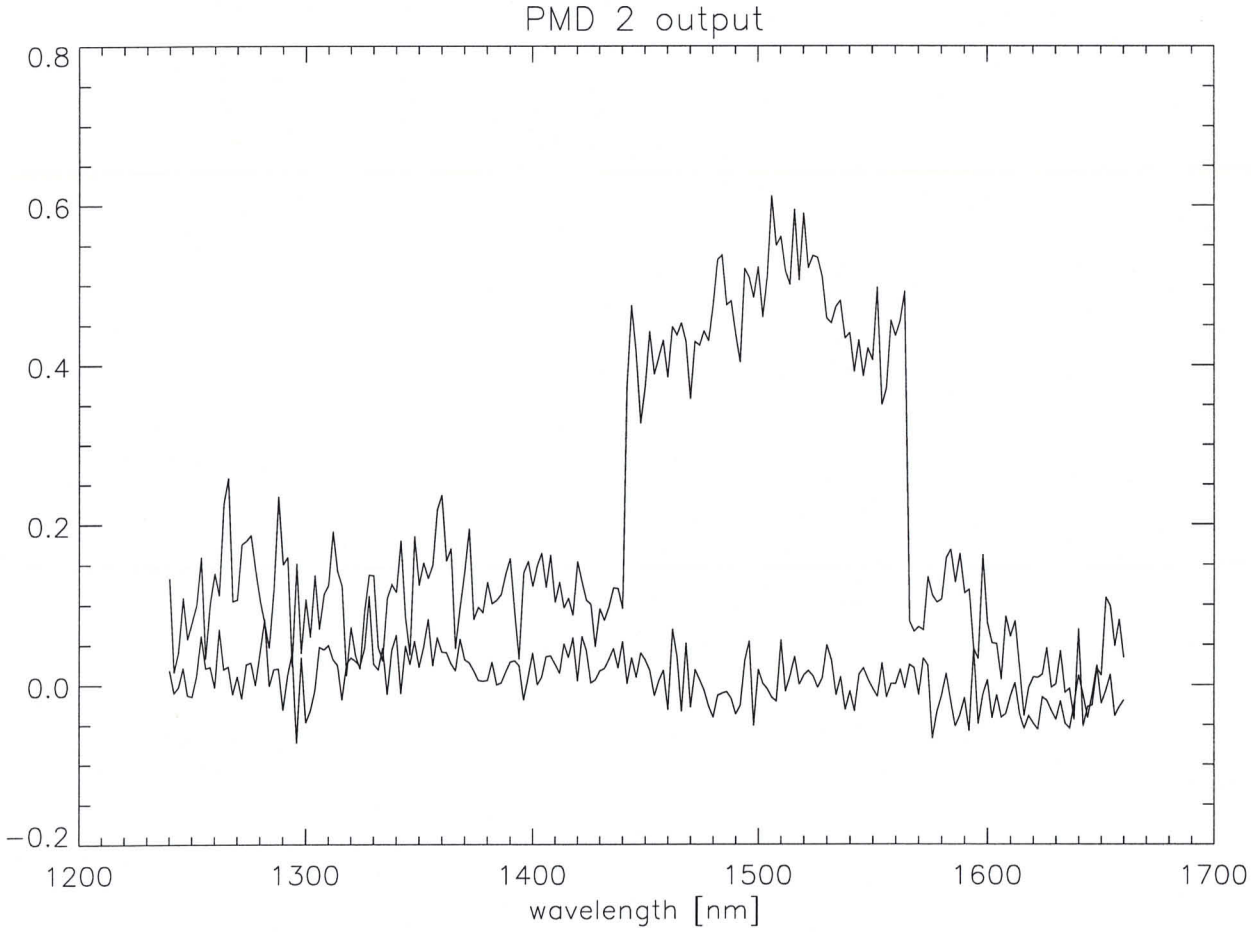
scia_23081998_201038870.egse_ltf.mp1618.log
scia_23081998_201038870.egse_ltf.mp1620.log
scia_23081998_201038870.egse_ltf.mp1622.log
scia_23081998_201038870.egse_ltf.mp1624.log
scia_23081998_201038870.egse_ltf.mp1626.log
scia_23081998_201038870.egse_ltf.mp1628.log
scia_23081998_201038870.egse_ltf.mp1630.log
scia_23081998_201038870.egse_ltf.mp1632.log
scia_23081998_201038870.egse_ltf.mp1634.log
scia_23081998_201038870.egse_ltf.mp1636.log
scia_23081998_201038870.egse_ltf.mp1638.log
scia_23081998_201038870.egse_ltf.mp1640.log
scia_23081998_201038870.egse_ltf.mp1642.log
scia_23081998_201038870.egse_ltf.mp1644.log
scia_23081998_201038870.egse_ltf.mp1646.log
scia_23081998_201038870.egse_ltf.mp1648.log
scia_23081998_201038870.egse_ltf.mp1650.log
scia_23081998_201038870.egse_ltf.mp1652.log
scia_23081998_201038870.egse_ltf.mp1654.log
scia_23081998_201038870.egse_ltf.mp1656.log
scia_23081998_201038870.egse_ltf.mp1658.log
scia_23081998_201038870.egse_ltf.mp1660.log

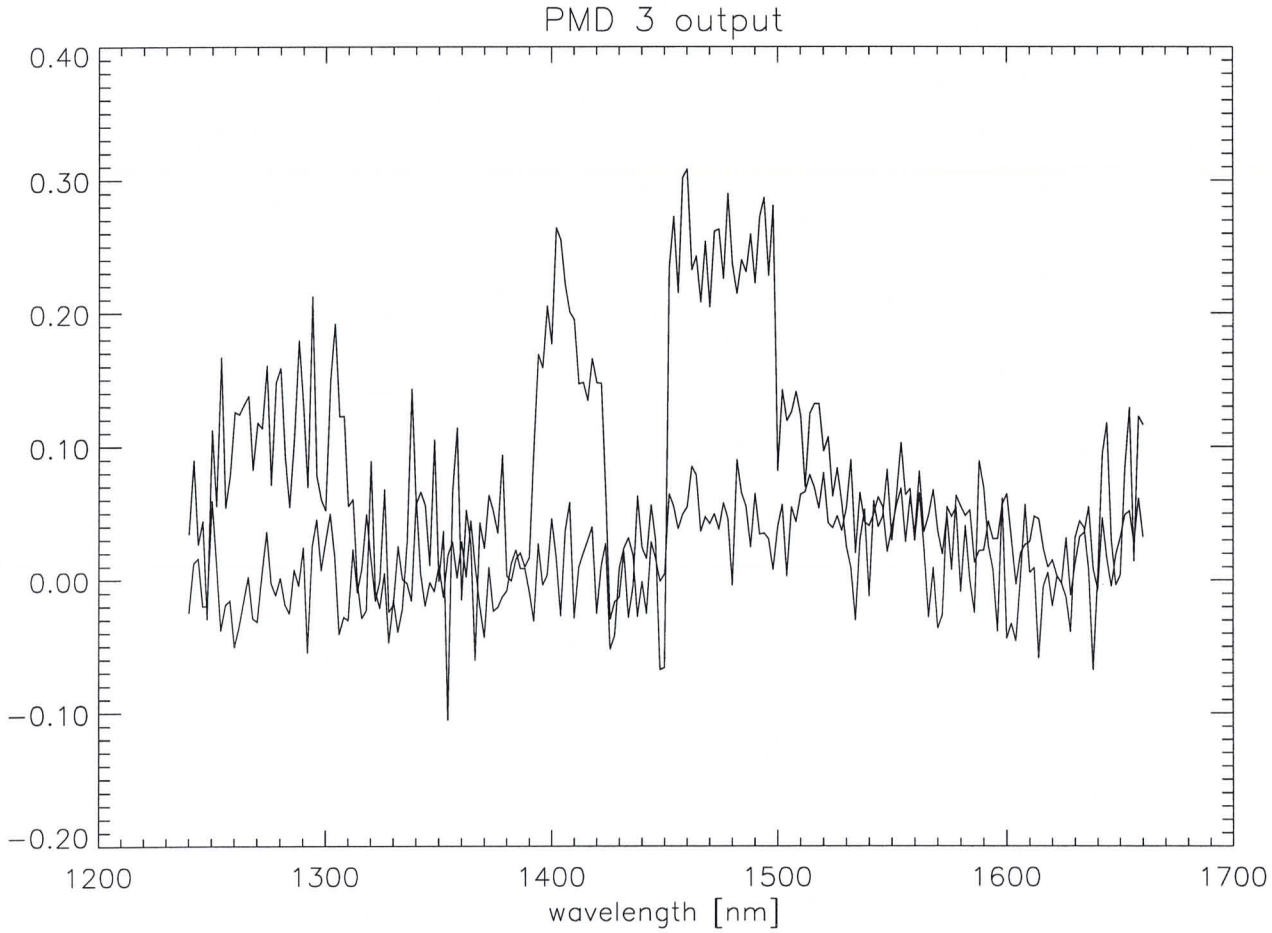
```
time       = Mon Aug 24 04:25:30 1998
batch      = du1
Start TOD = Sun 23-Aug-98 20:10:49
End   TOD = Sun 23-Aug-98 20:12:38
Processing= computation of average, standard dev. and rel.standard dev.
time       = Mon Aug 24 04:52:34 1998
batch      = du2
Start TOD = Mon 24-Aug-98 01:50:29
End   TOD = Mon 24-Aug-98 01:51:17
Processing= computation of average, standard dev. and rel.standard dev.
time       = Mon Aug 24 04:25:39 1998
batch      = mp1240
Start TOD = Sun 23-Aug-98 20:12:38
End   TOD = Sun 23-Aug-98 20:14:25
Processing= computation of average, standard dev. and rel.standard dev.
time       = Mon Aug 24 04:25:48 1998
batch      = mp1242
Start TOD = Sun 23-Aug-98 20:14:25
End   TOD = Sun 23-Aug-98 20:16:00
Processing= computation of average, standard dev. and rel.standard dev.
```

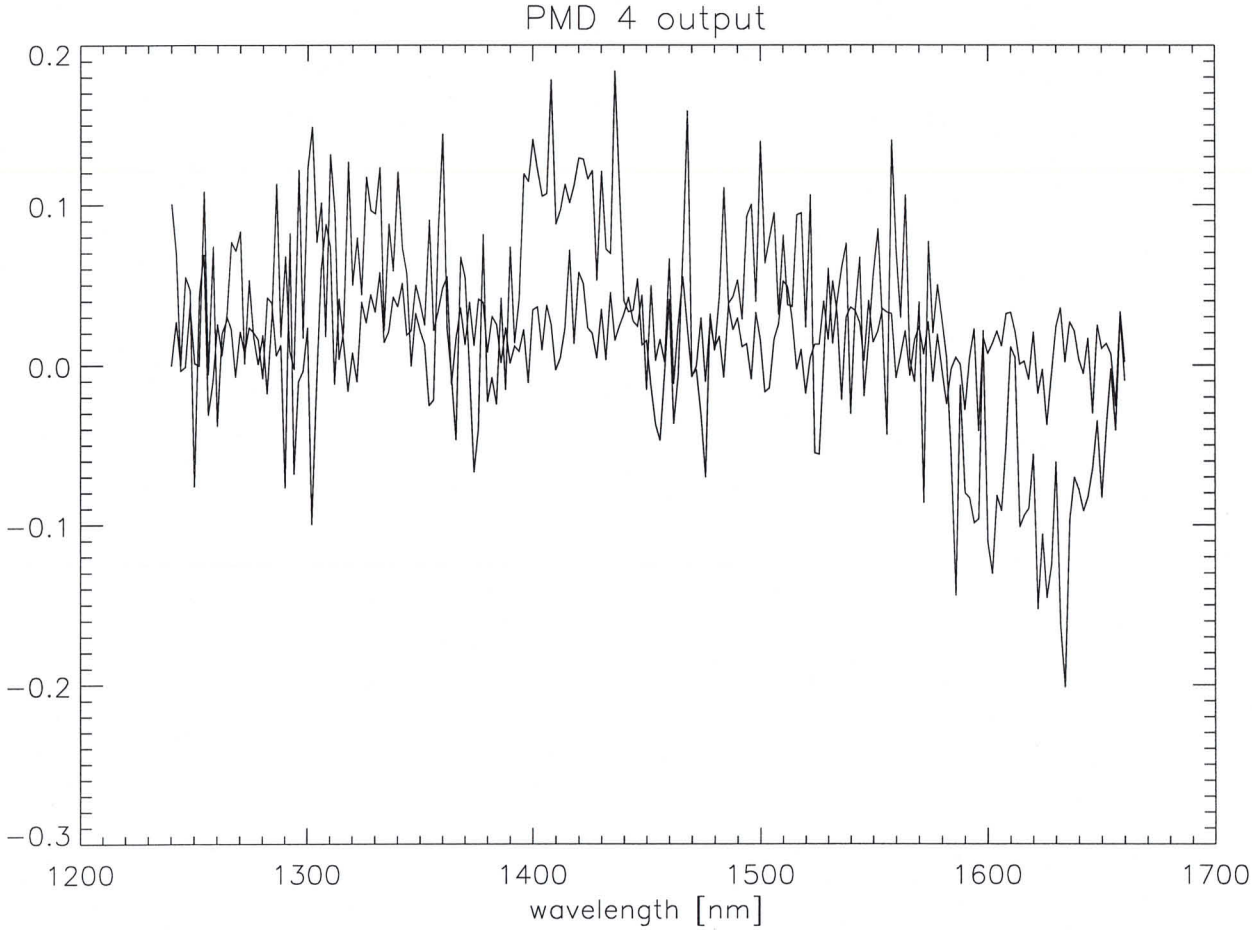
```
1240    1450    scia_23081998_201038870.egse_ltf.du1.avg.cal
1451    1660    scia_23081998_201038870.egse_ltf.du2.avg.cal
```

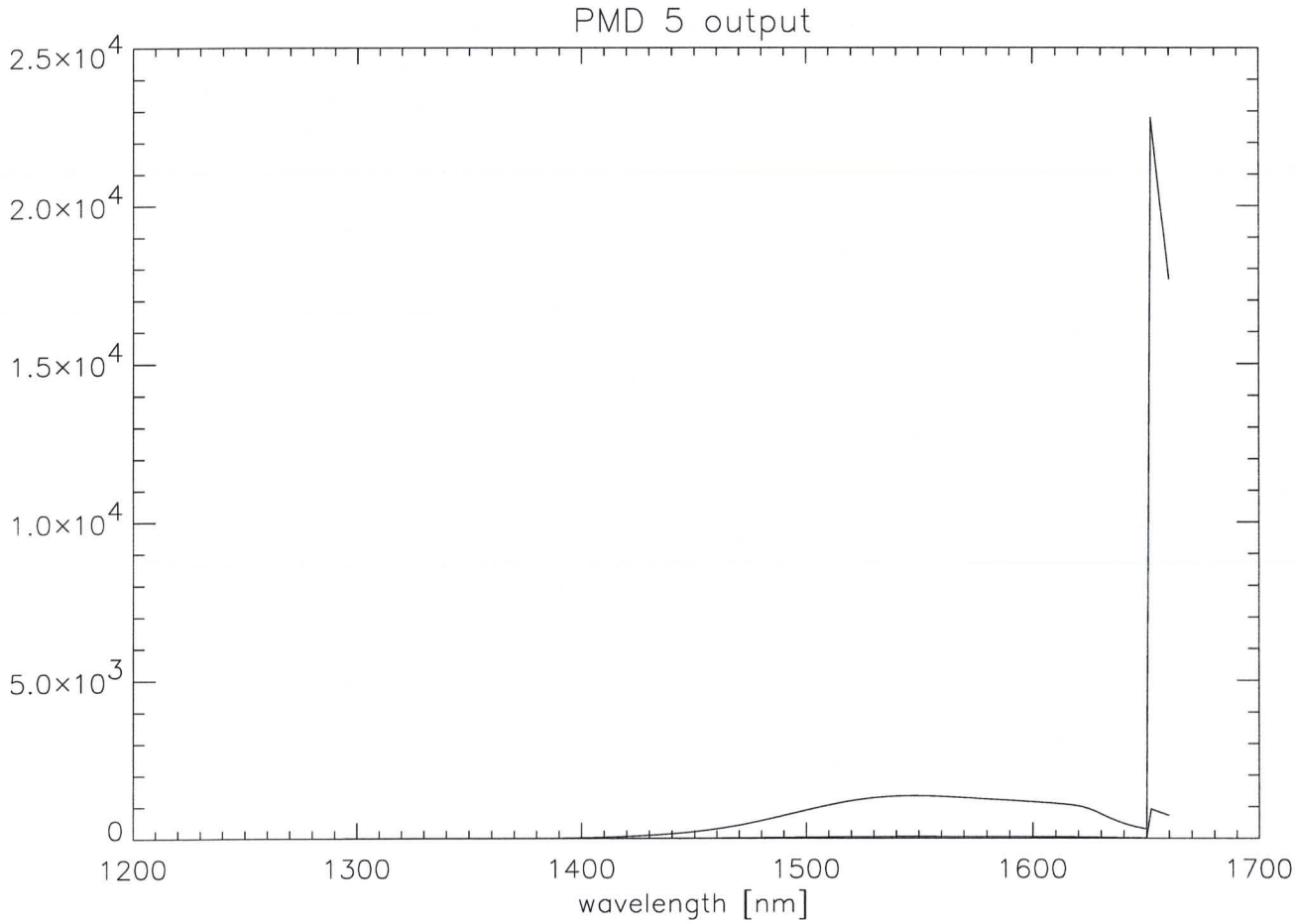
control-file

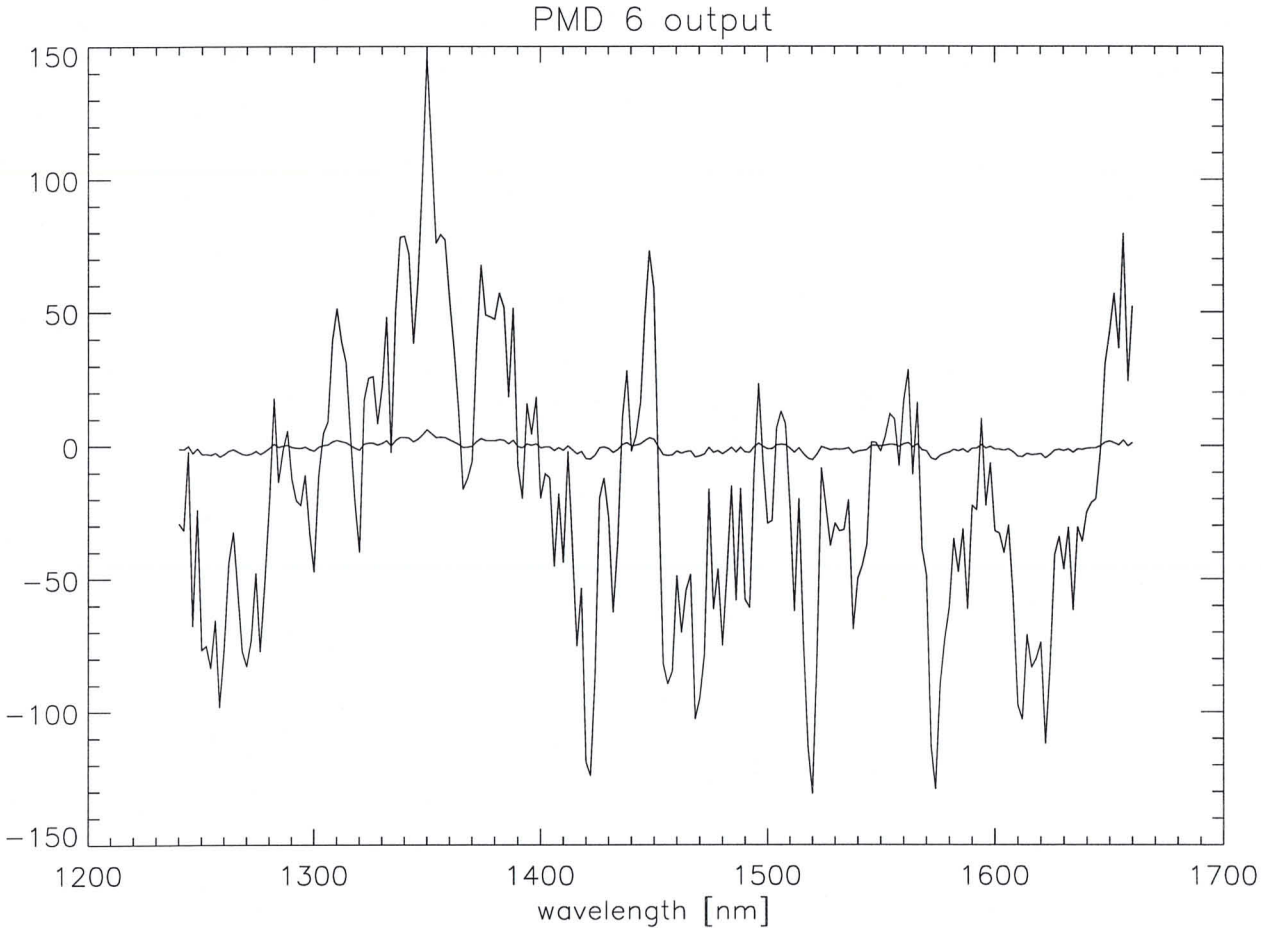

PMD 1 output
0.6
0.4
0.2
0.0
−0.2
−0.4
1200
1300
1400
1500
1600
1700
wavelength [nm]

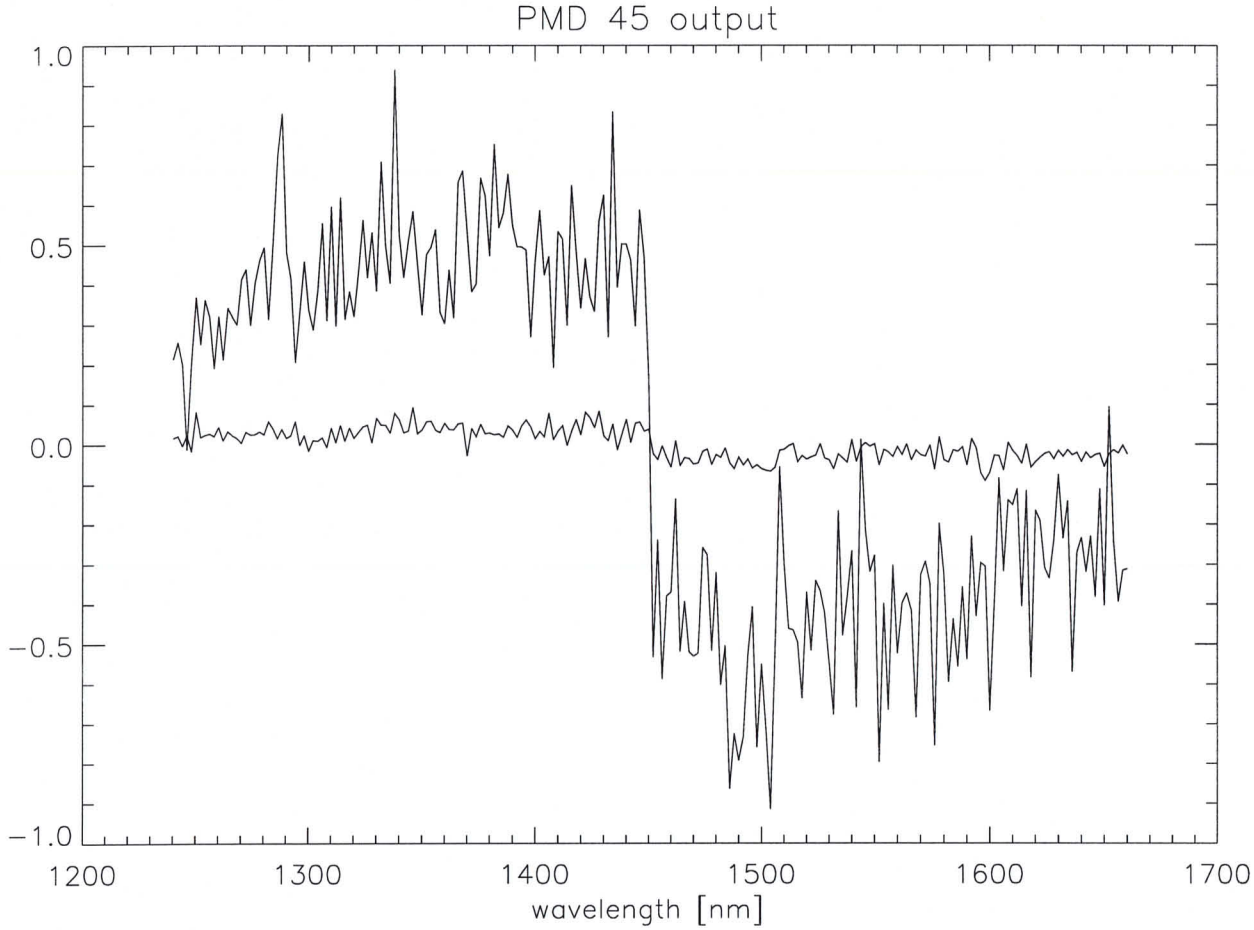

PMD 2 output
0.8
0.6
0.4
0.2
0.0
−0.2
1200
1300
1400
1500
1600
1700
wavelength [nm]

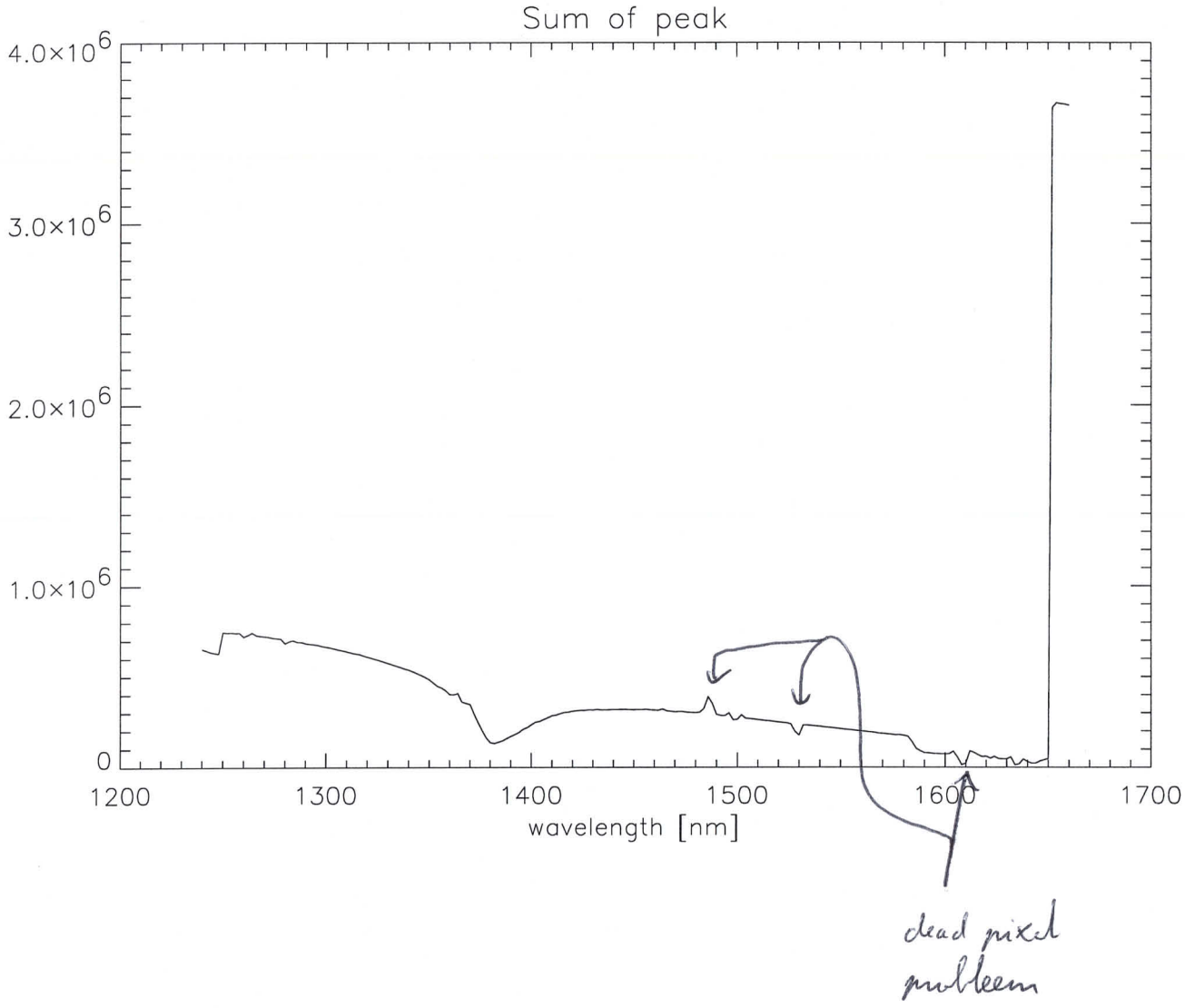

PMD 3 output
0.40
0.30
0.20
0.10
0.00
−0.10
−0.20
1200
1300
1400
1500
1600
1700
wavelength [nm]


PMD 4 output
0.2
0.1
0.0
−0.1
−0.2
−0.3
1200
1300
1400
1500
1600
1700
wavelength [nm]

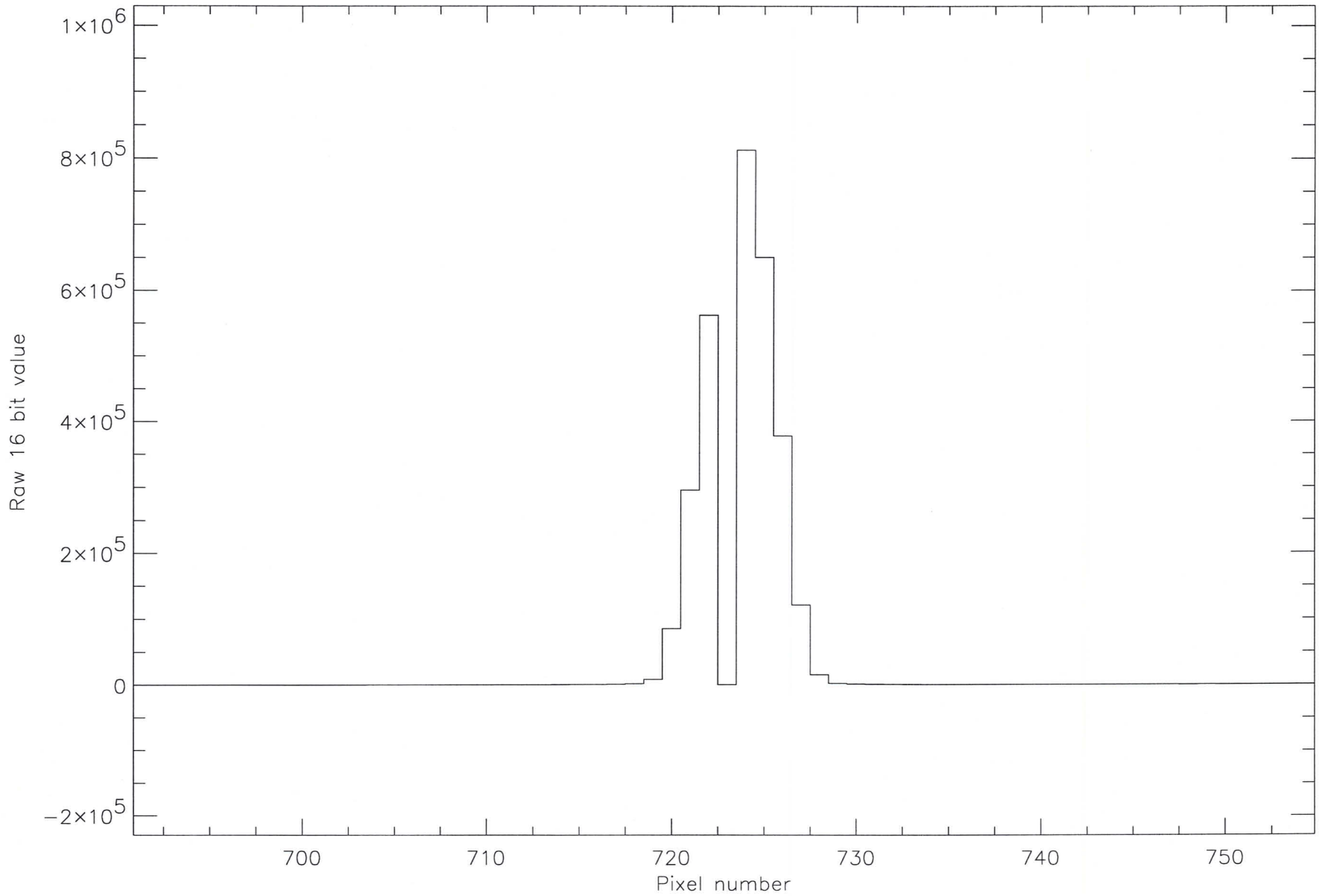

PMD 5 output
2.5×10^4
2.0×10^4
1.5×10^4
1.0×10^4
5.0×10^3
0
1200
1300
1400
1500
1600
1700
wavelength [nm]


PMD 6 output
150
100
50
0
−50
−100
−150
1200
1300
1400
1500
1600
1700
wavelength [nm]

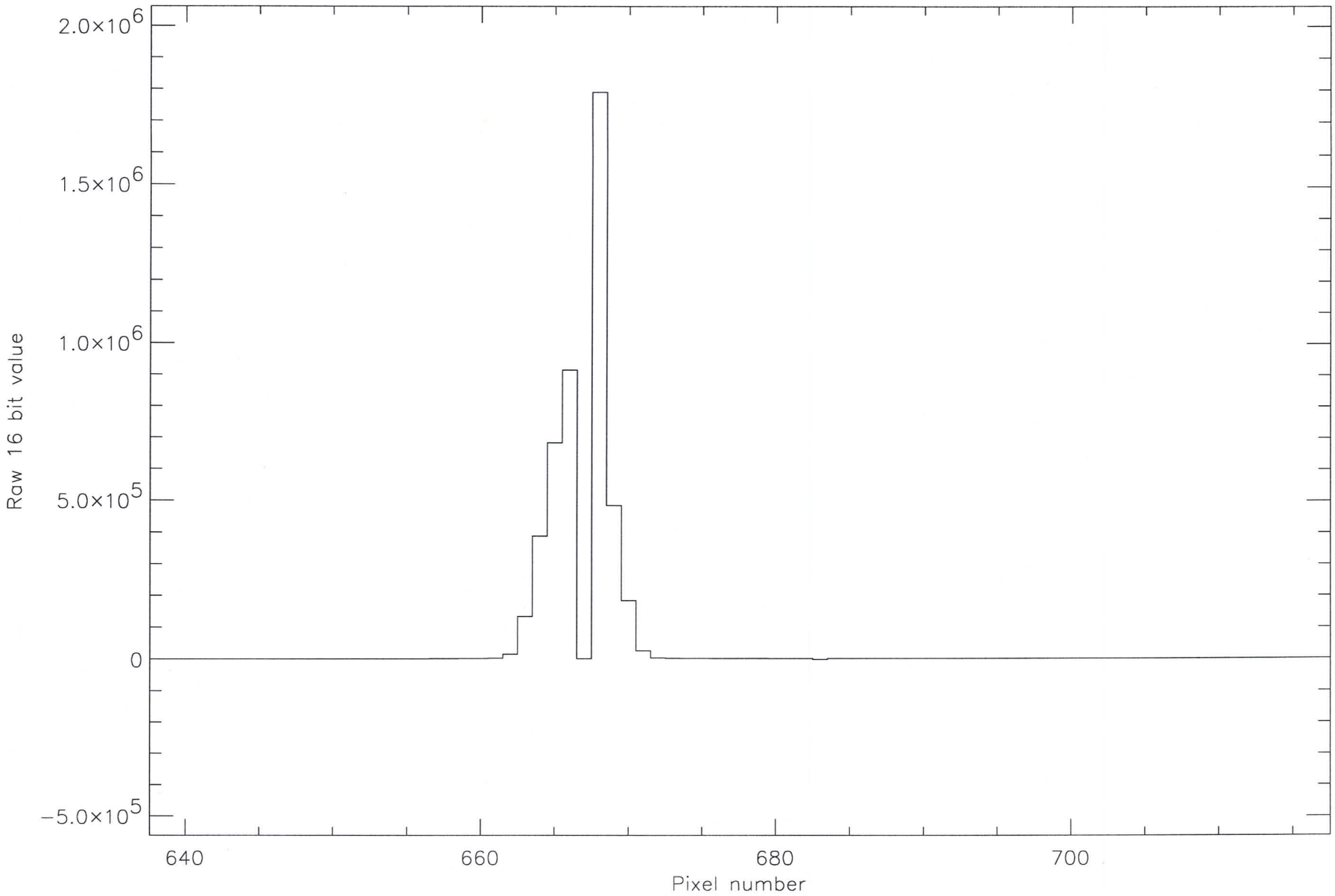

PMD 45 output
1.0
0.5
0.0
−0.5
−1.0
1200
1300
1400
1500
1600
1700
wavelength [nm]

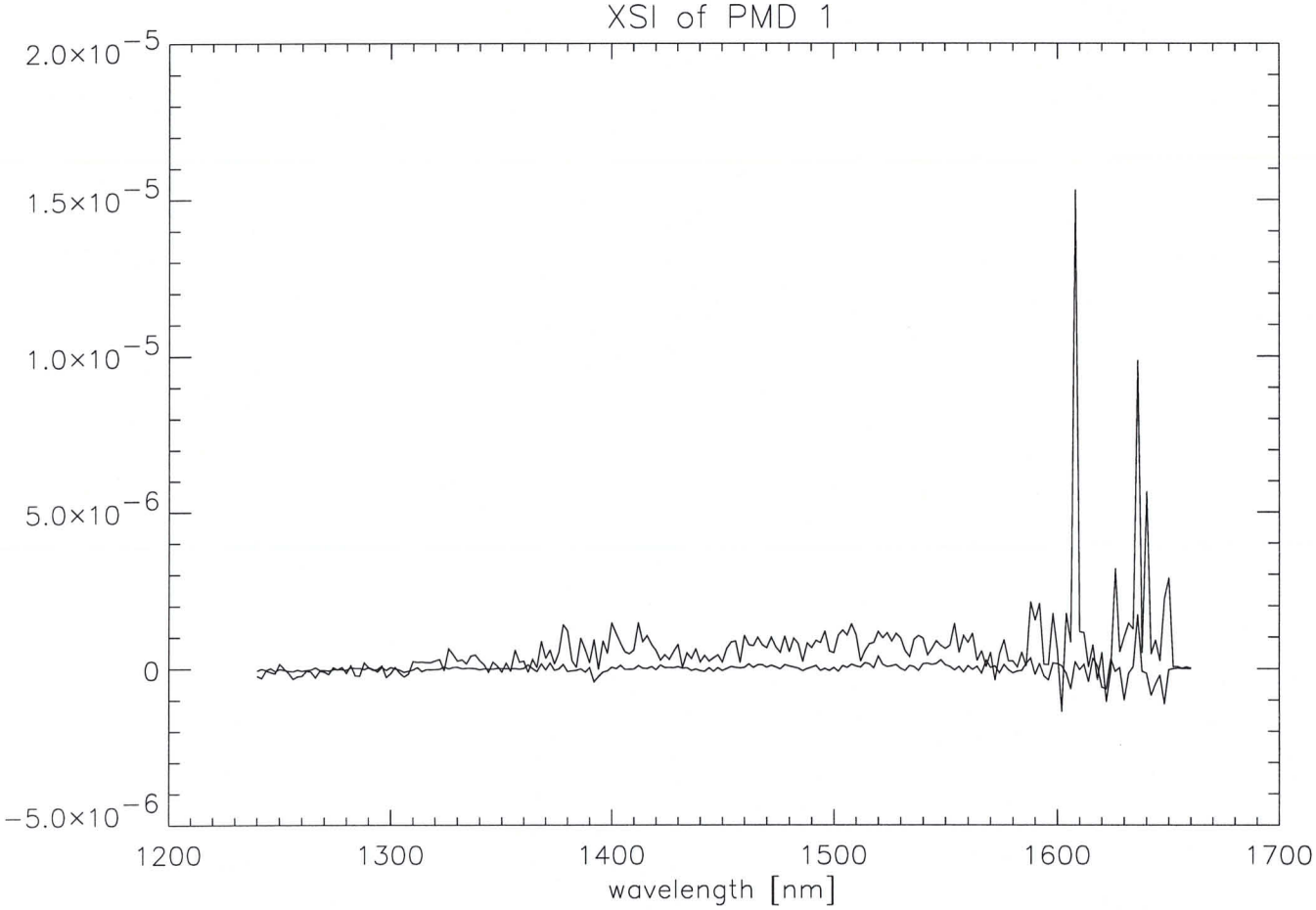

Sum of peak
4.0×10^6
3.0×10^6
2.0×10^6
1.0×10^6
0
1200
1300
1400
1500
1600
1700
wavelength [nm]
dead pixel problem

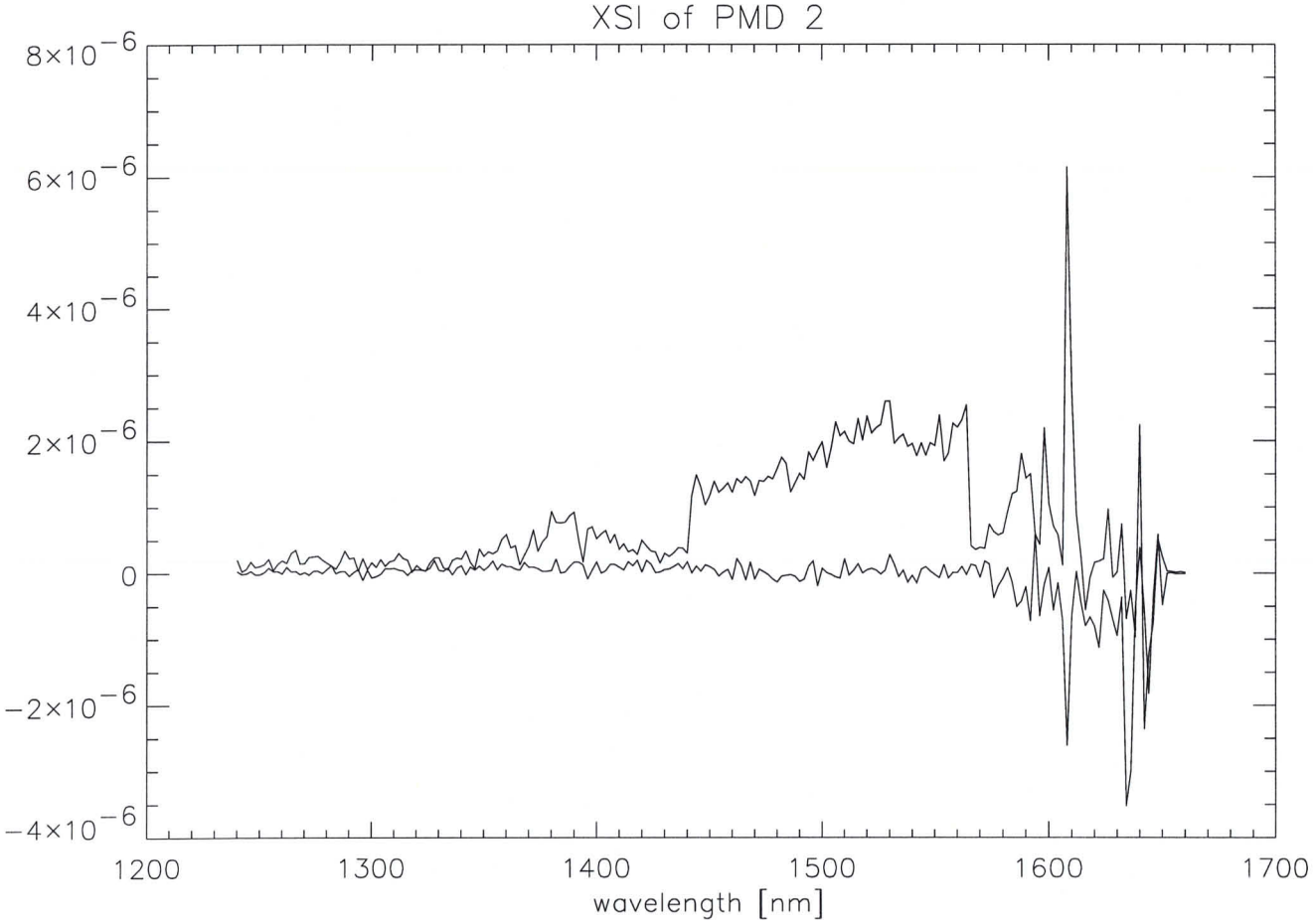
Remark : Step 14-2
EGSE-File : /disk1/SciaSCOE/log/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf record = 1
Date : Mon 24-Aug-98 00:04:48 Channel # 6FM

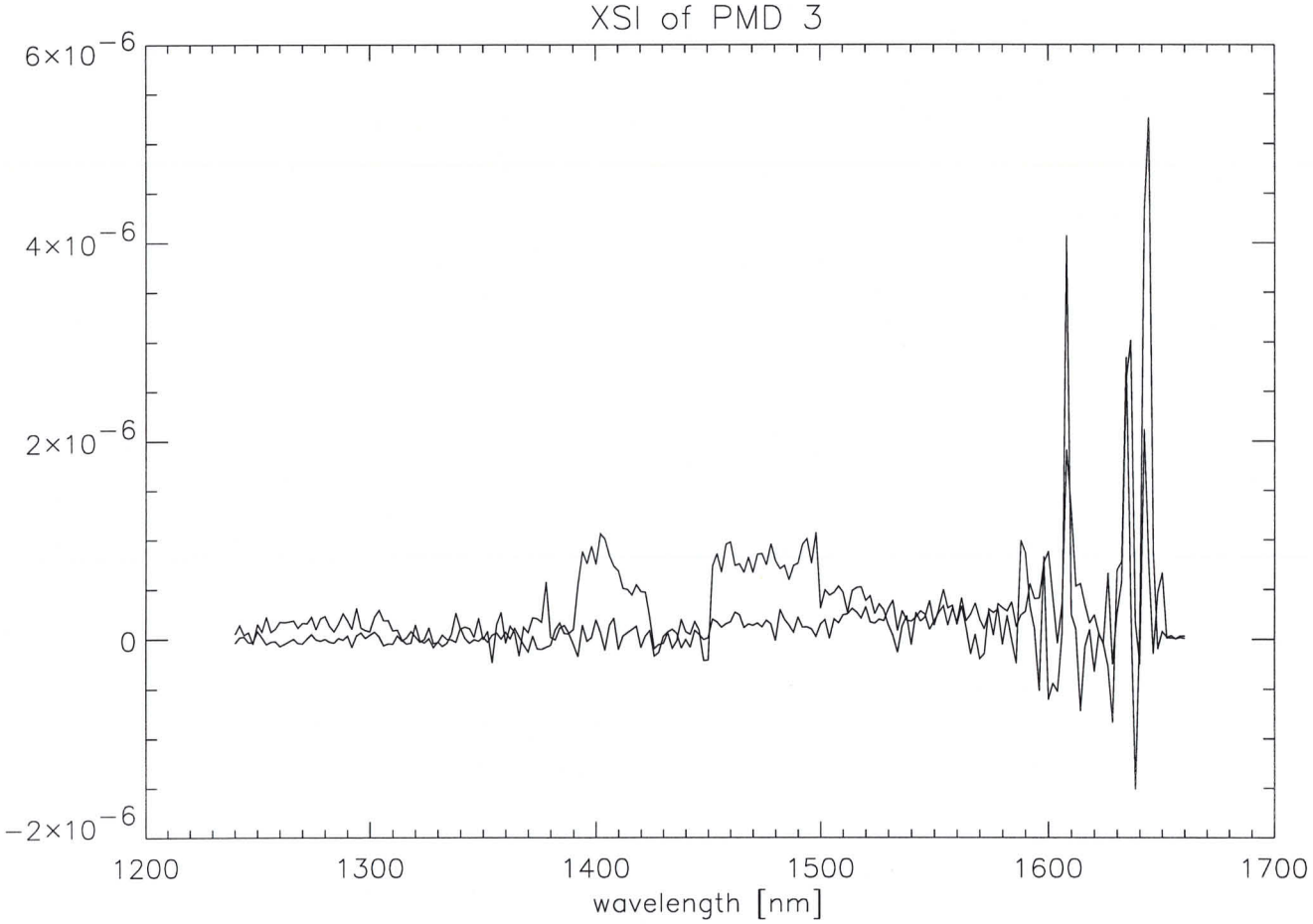


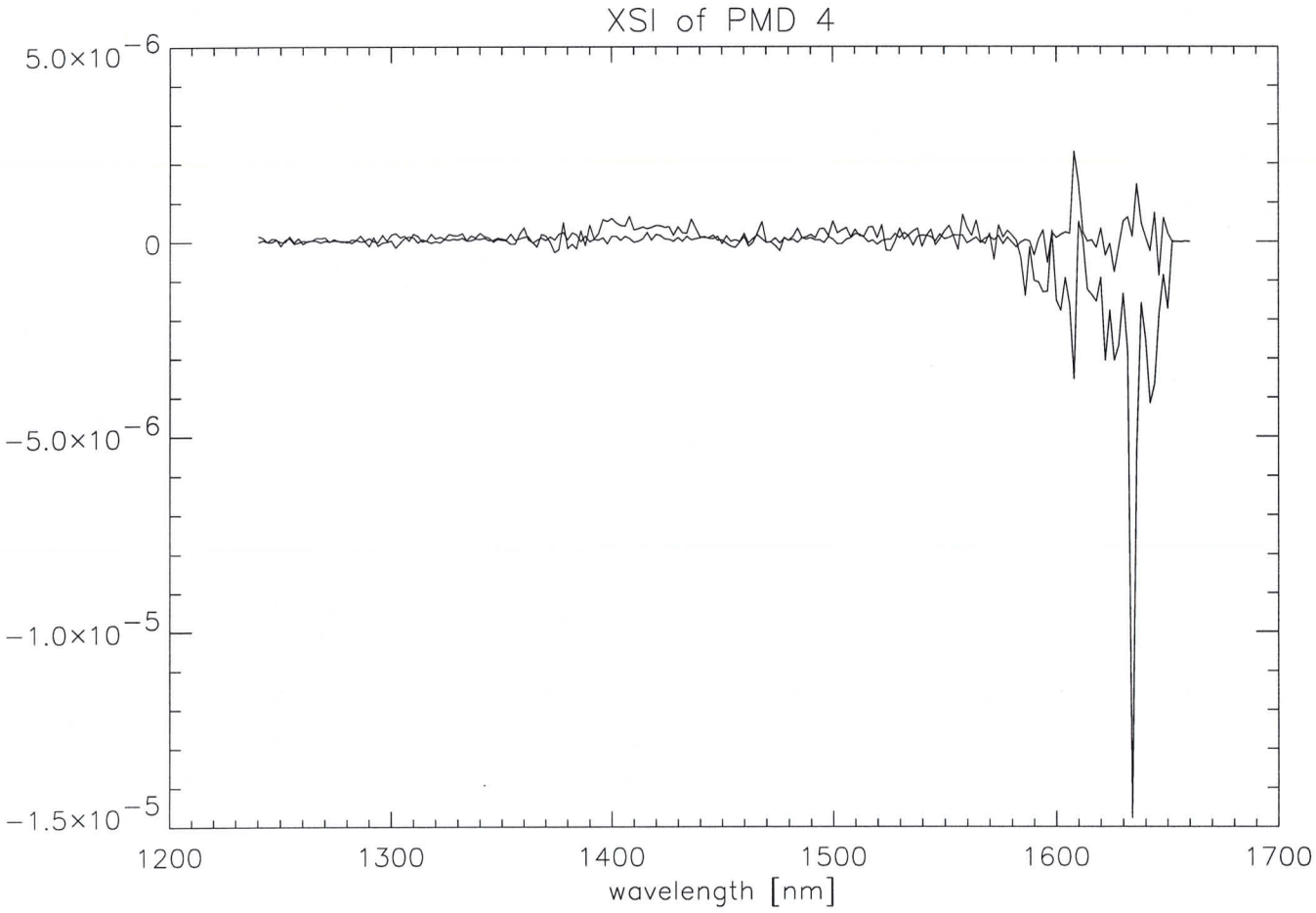
Remark : Step 14-2
EGSE-File : /disk1/SciaSCOE/log/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf record = 1.
Date : Sun 23-Aug-98 23:29:36 Channel # 6FM

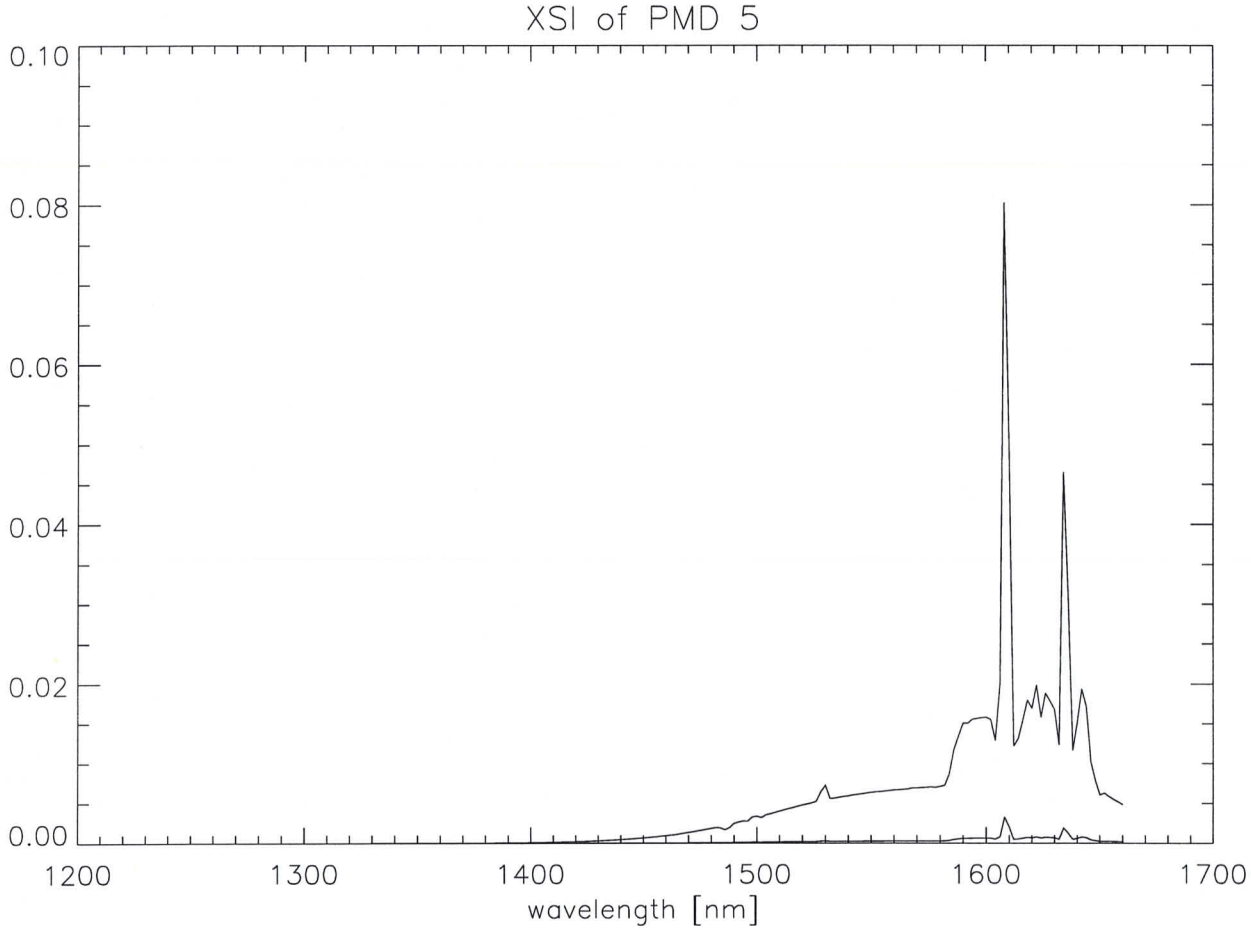


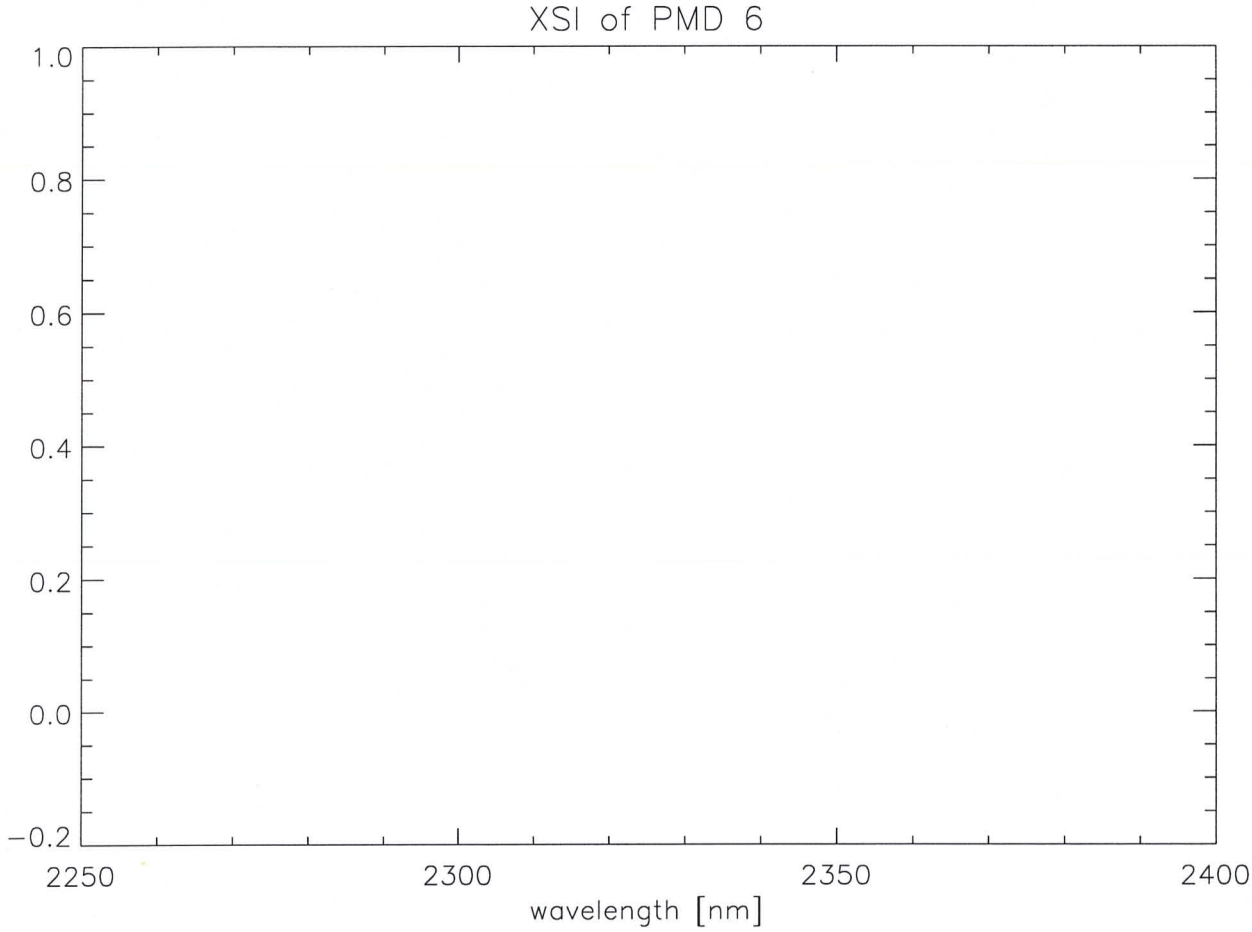

XSI of PMD 1
2.0×10−5
1.5×10−5
1.0×10−5
5.0×10−6
0
−5.0×10−6
1200
1300
1400
1500
1600
1700
wavelength [nm]

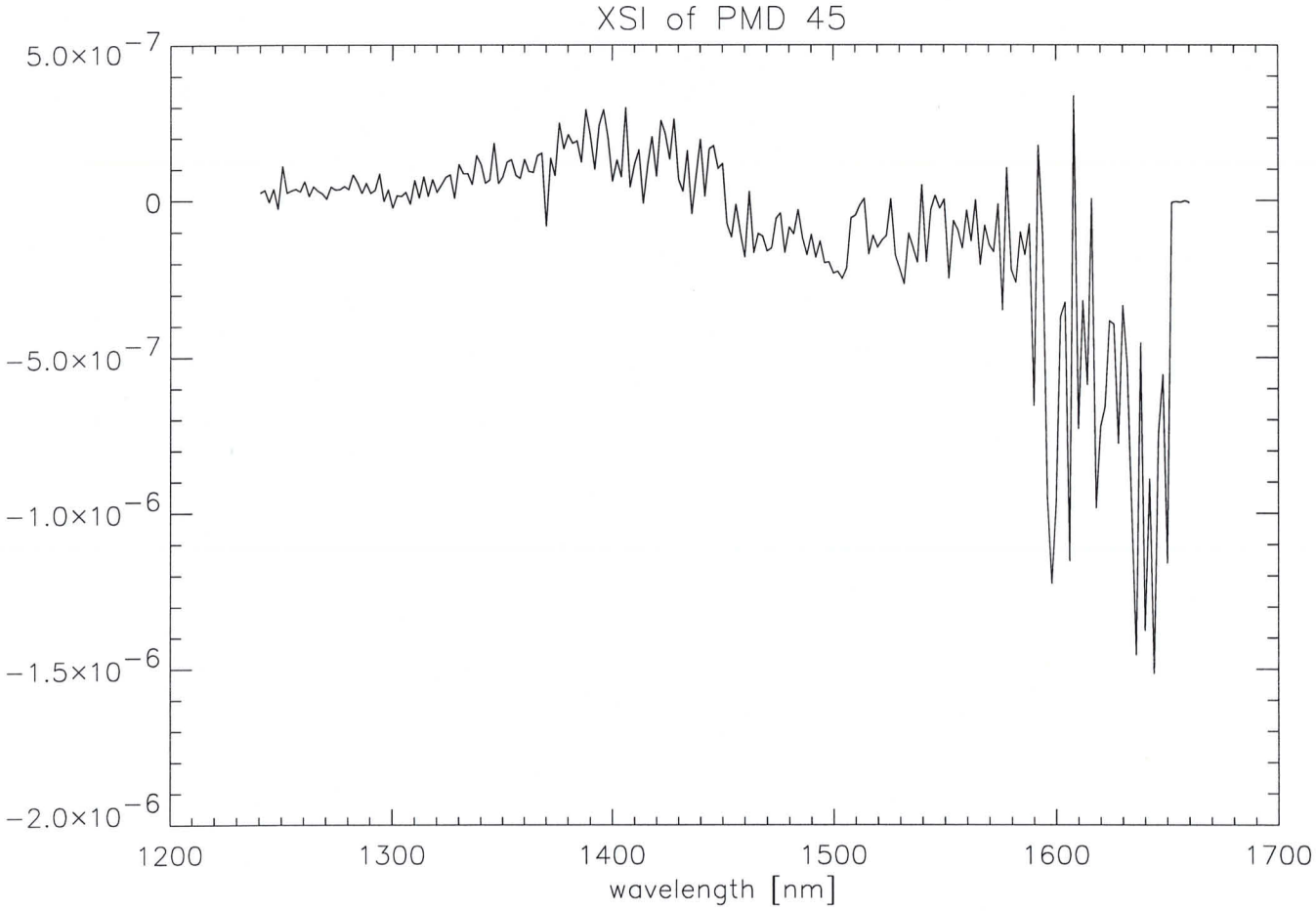

XSI of PMD 2
8×10−6
6×10−6
4×10−6
2×10−6
0
−2×10−6
−4×10−6
1200
1300
1400
1500
1600
1700
wavelength [nm]


XSI of PMD 3
6×10−6
4×10−6
2×10−6
0
−2×10−6
1200
1300
1400
1500
1600
1700
wavelength [nm]


XSI of PMD 4
5.0×10−6
0
−5.0×10−6
−1.0×10−5
−1.5×10−5
1200
1300
1400
1500
1600
1700
wavelength [nm]


XSI of PMD 5
0.10
0.08
0.06
0.04
0.02
0.00
1200
1300
1400
1500
1600
1700
wavelength [nm]


XSI of PMD 6
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
2250
2300
2350
2400
wavelength [nm]


XSI of PMD 45
5.0×10−7
0
−5.0×10−7
−1.0×10−6
−1.5×10−6
−2.0×10−6
1200
1300
1400
1500
1600
1700
wavelength [nm]

```
Version:  0.1
Input files:  /disk1/scia/DATA-DIR/XSI-VisIR-III/2/control-file
 scia_23081998_201038870.egse_ltf.du1.avg.cal
 scia_23081998_201038870.egse_ltf.du2.avg.cal
 /disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1240.
 /disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1242.
 /disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1244.
 /disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1246.
 /disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1248.
 /disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1250.
 /disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1252.
 /disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1254.
 /disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1256.
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/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1472.
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/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1502.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1504.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1506.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1508.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1510.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1512.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1514.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1516.
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/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1520.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1522.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1524.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1526.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1528.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1530.
isk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1532.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1534.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1536.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1538.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1540.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1542.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1544.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1546.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1548.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1550.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1552.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1554.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1556.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1558.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1560.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1562.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1564.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1566.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1568.
isk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1570.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1572.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1574.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1576.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1578.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1580.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1582.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1584.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1586.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1588.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1590.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1592.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1594.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1596.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1598.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1600.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1602.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1604.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1606.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1608.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1610.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1612.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1614.

/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1616.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1618.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1620.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1622.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1624.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1626.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1628.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1630.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1632.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1634.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1636.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1638.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1640.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1642.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1644.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1646.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1648.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1650.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1652.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1654.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1656.
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1658.
isk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.mp1660.
Processing:
Computation of XSI
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/latest/ppg.cal
ETALON correction filename used: /disk1/scia/DATA-DIR/CORR/latest/etalon.cal
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/wl.data
STRAYLIGHT correction filename used: /disk1/scia/DATA-DIR/CORR/latest/stray.da
Processing time: Mon Aug 24 05:49:17 1998
Output file name:
/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.du1.avg.

Formal Run of Measurement

(Measurement ID) Xi-67

Request for Actual Status	X	(cross out entries that are **not** requested.)
Request for Modification	X	(fill in only entries to be modified)
Request for Run	X	(no entries = run based on actual default settings)

Scanner Positions

Azimuth	+45.000	deg
Elevation	−45.000	deg

TEST RUN.
ONLY SOLAN analysis done.

Timeline for each Data Acquisition Period during Measurement

	1	2	3	4	5	6	7	8	9	10
State ID	2									
Repetitions	1									

State Parameters for States used in Timeline (State ID must be given)

Channel	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding
1a	64	1						
1b	64	1						
2b	64	1						
2a	64	1						
3	64	1						
4	64	1						
5	64	1						
6	0.25	64						
7	2	32						
8	2	32						
State ID								

Too Large

Stimuli Settings for Existing Blocks in Measurement

Block No	Stimuli Setup ID	PPC [deg]	Polarizer [deg]	Shutter open/close	Acquisition Time [s]	Lambda [nm] Start	Stop	Step	Repetition Factor	Message	OS Setup Time [s]
1	1	0	85.4	close	1	1560	1560	0	1	DU1	50
2	1	0	85.4	open	1	1560	1560	0	1	MP~	8
3	1	0	85.4	open	1	1580	1780	20	1	MP~	3
4	1	0	85.4	close	1	1780	1780	0	1	DU2	8

Measurement Data Description

Test Purpose	Search PETS Xi_7
Remark	Test 14
Data Directory	0236_02.39.17-Xi-7

Signatures

	Date	Signature
Issued	24/8/98	
< Performed	24/8/98	

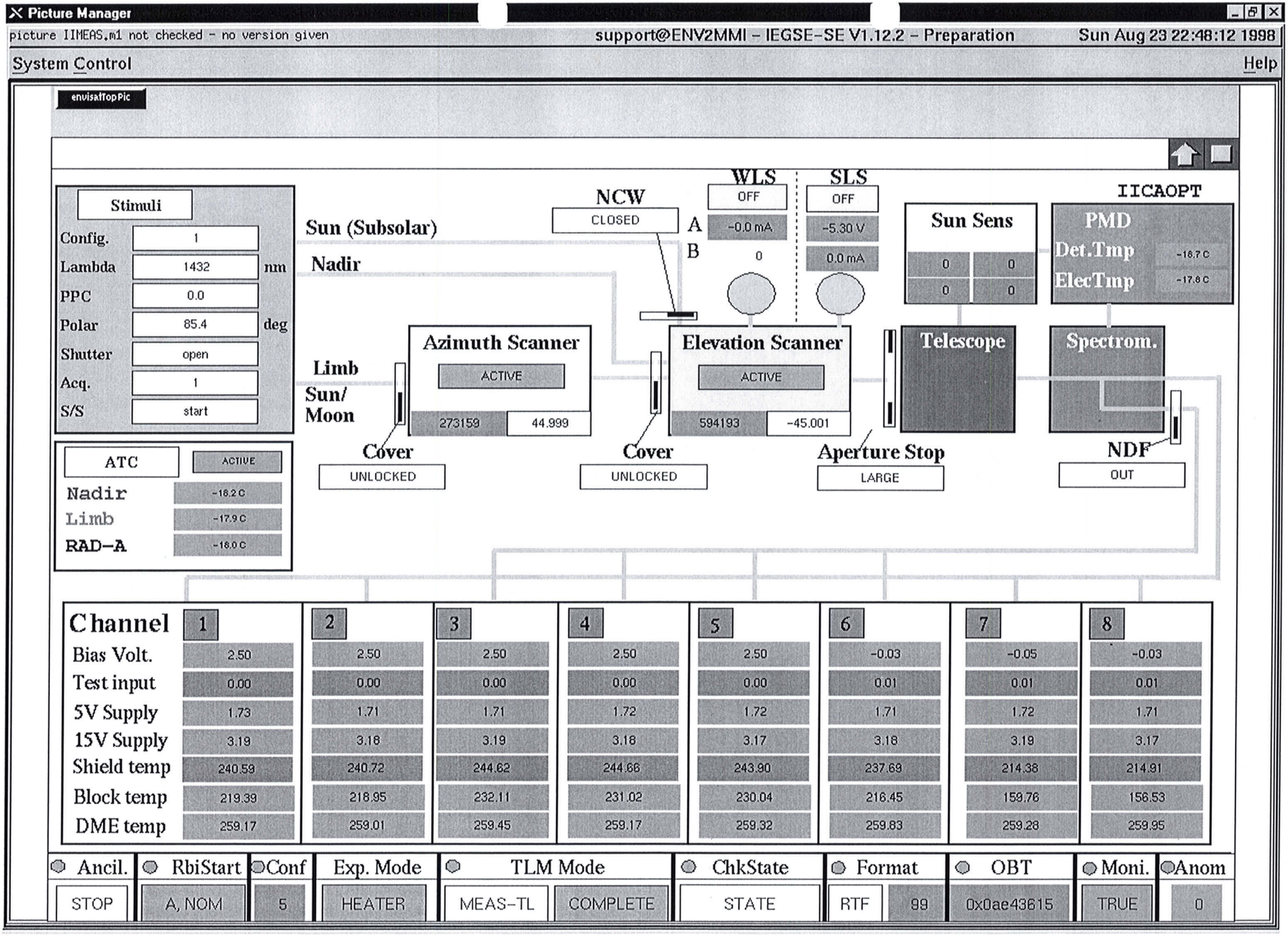
Xi-7 Test run

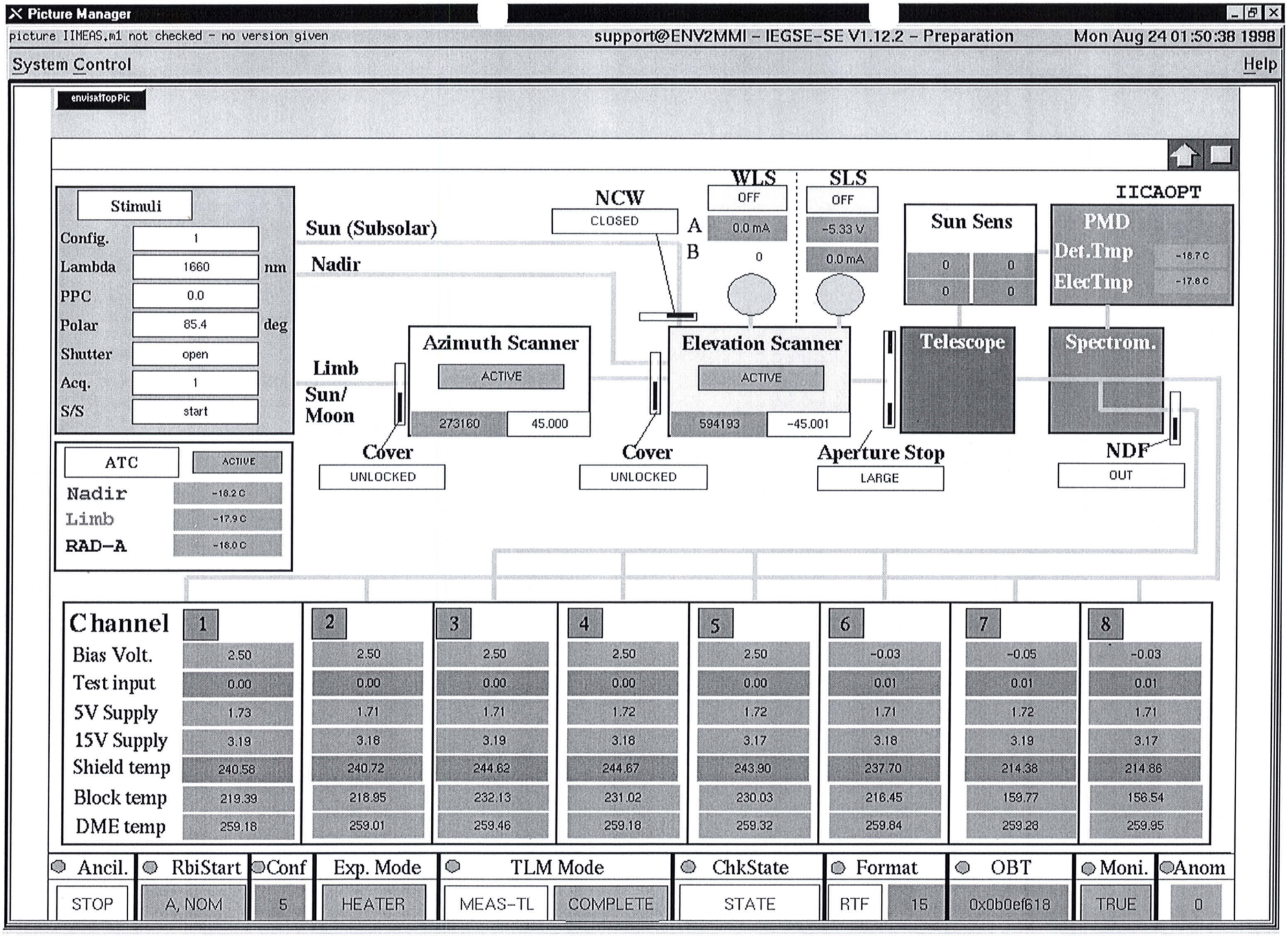
STEP	ACTION	RESULT	MARKER
Intro	Your name:	Mte Plake	
	Date:	24/8/98	
	What's the name of the (main) data input files generated by the EGSE? `(*.dat)`	0236_02_37.17_XI-7 (A)	
	Setup a three-window configuration on your SUN.		see course descr.
Cnstr directory	`cd ~/DATA-DIR/XSI-VisIr-IV/ ; ls -l` highest number in directory?	6 (B)	Note: In window DATA-DIR
	New directory: `mkdir <B+1>` `ls -l` What's now the highest number in directory? <C> should be <B> + 1	1 (C) Y / N	
	directory name is:	`~/DATA-DIR/XSI-VisIR-IV/<C>`	(DIR-NAME)
Copy data	See Analysis sheet: Transfer Data File	Y / N	In DATA-DIR window
Cnstr EGSE_LTF	`cal_raw2ltf .` (Error messages are not necessarily fatal; check with SOLAN --in solan window-- whether output file is okay: there should be a signal present, and `dremark1` labels should be filled) `ls -l *.egse_ltf` What's the name of the egse_ltf file	scia_24081998_02422841 4. egse_ltf (D)	Note: In window DATA-DIR; ***don't forget the dot !!!;*** *May take more than 15 mins.*
	`<D>` should be `<A>.egse_ltf`	Y / N	
Cnstr CAL files	`idl` `run_fastaverscia` (and select file <D> when asked)	→ After this data was analysed with Solan for quick look	Note: In window IDL

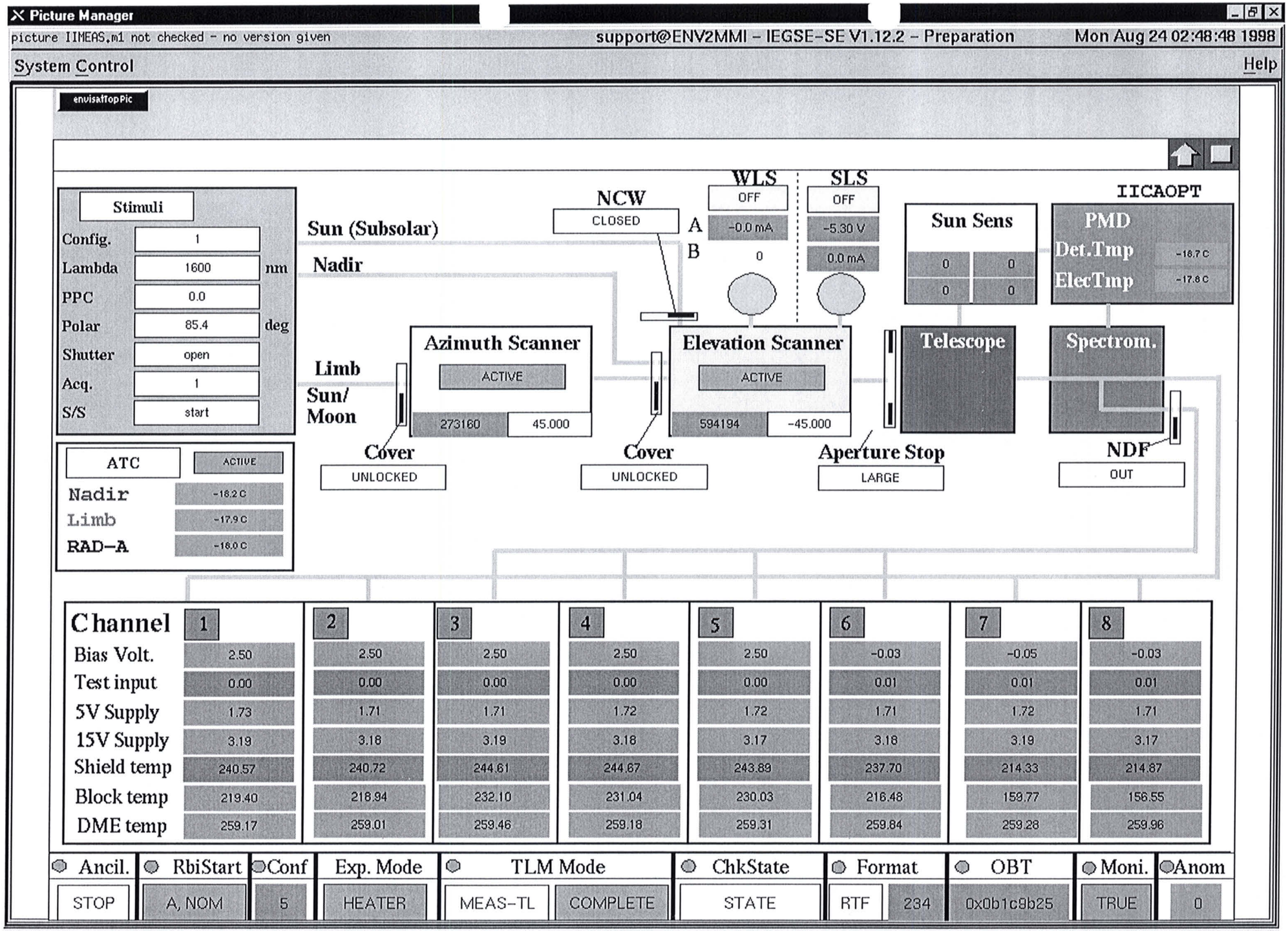
0.25 sec was to high for Ch.6 → 0.125 sec. was chosen. ~~Looks fine.~~

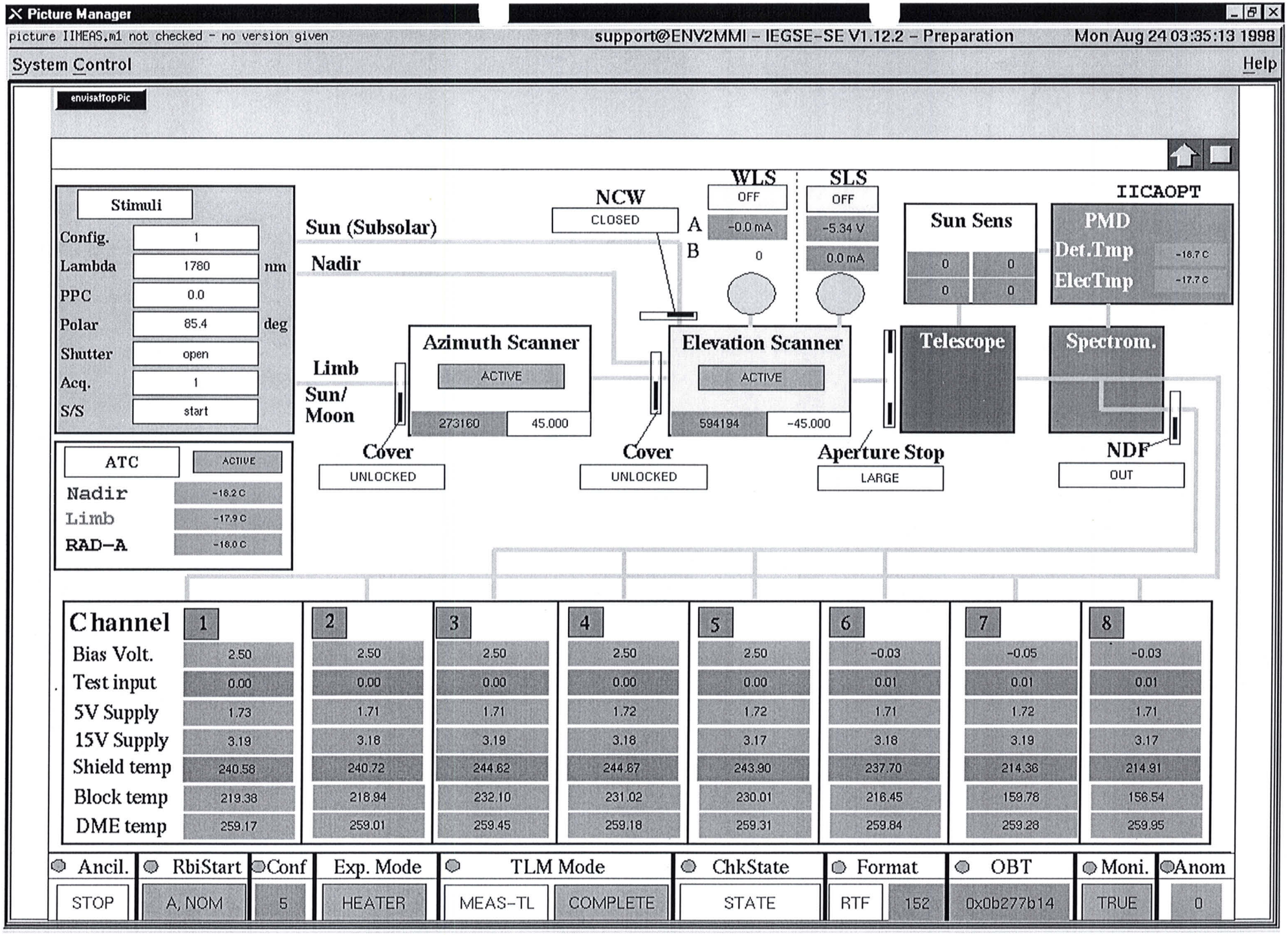
STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	Mie Mate 24/8/98	
	What's the name of the (main) data input files that you want to store on the SUN named `scia6`?	_____	(A)
	Setup a three-window configuration on your SUN.		See course descr.
Do Transfer	Be sure that you are in the directory you want your files in ftp <internet-address>, where you can find the address of the PC in the file `/etc/hosts` (entry: cdwpc). The address will also be next to you on paper (most probably). When asked for user, fill in: `anonymous`, when asked for an email address, fill in your email address on TPD. Set in binary: `binary` `mget *` (and return `y` to every file). `bye`	_____	In DATA-DIR window In DATA window Approx. 140 kB

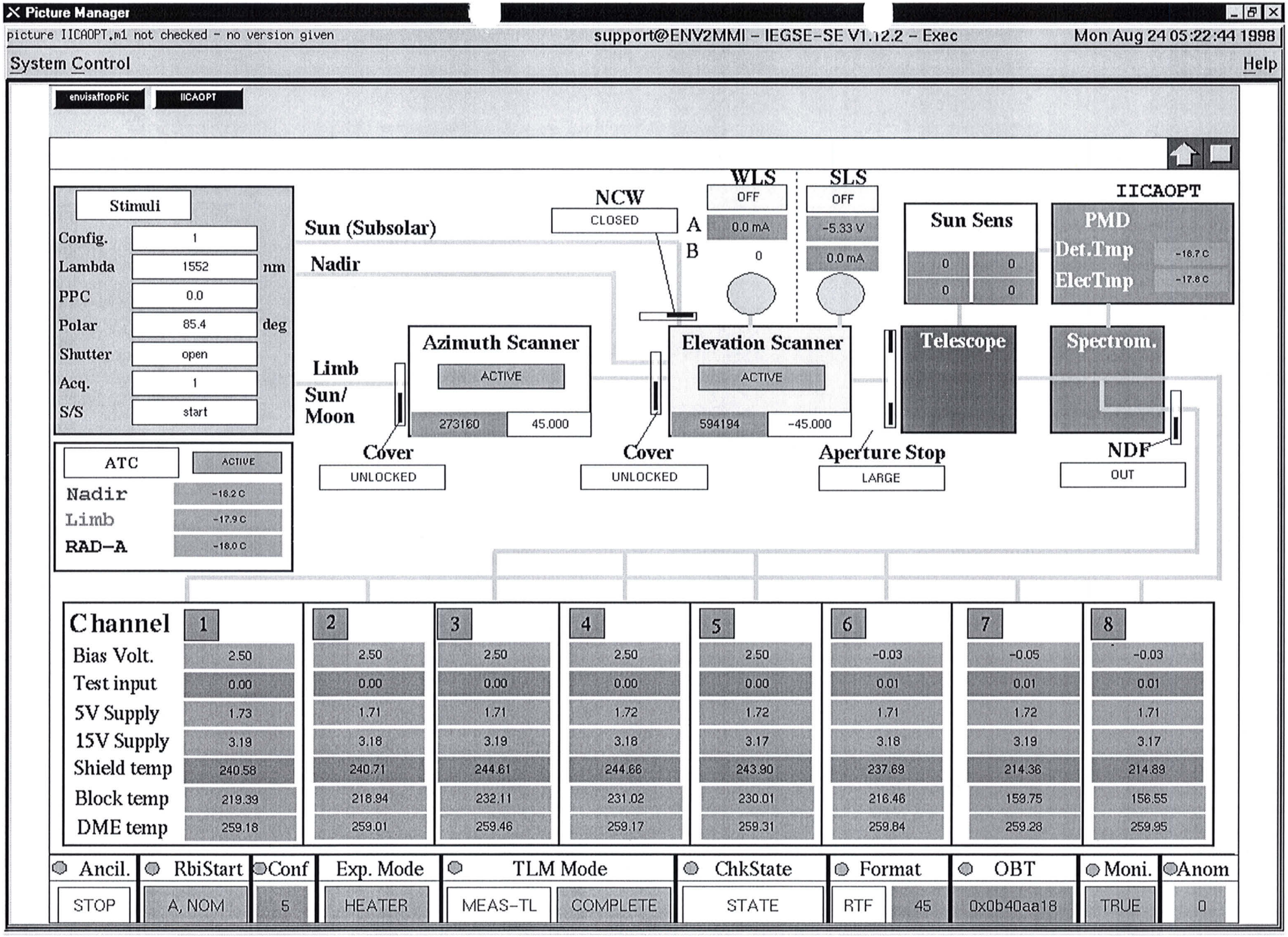
Sign:	Name	Mie Mate
	Date and time	24/8/98 6.00 AM
	Signature	_____


Picture Manager
picture IIMEAS.m1 not checked - no version given
support@ENV2MMI - IEGSE-SE V1.12.2 - Preparation
Sun Aug 23 22:48:12 1998
System Control
Help
envisatTopPic
Stimuli
Config. 1
Lambda 1432 nm
PPC 0.0
Polar 85.4 deg
Shutter open
Acq. 1
S/S start
ATC ACTIVE
Nadir -18.2 C
Limb -17.9 C
RAD-A -18.0 C
Sun (Subsolar)
Nadir
Limb
Sun/ Moon
NCW
CLOSED
WLS
OFF
A -0.0 mA
B 0
SLS
OFF
-5.30 V
0.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -18.7 C
ElecTmp -17.8 C
Azimuth Scanner
ACTIVE
273159 44.999
Elevation Scanner
ACTIVE
594193 -45.001
Telescope
Spectrom.
Cover
UNLOCKED
Cover
UNLOCKED
Aperture Stop
LARGE
NDF
OUT
Channel 1 2 3 4 5 6 7 8
Bias Volt. 2.50 2.50 2.50 2.50 2.50 -0.03 -0.05 -0.03
Test input 0.00 0.00 0.00 0.00 0.00 0.01 0.01 0.01
5V Supply 1.73 1.71 1.71 1.72 1.72 1.71 1.72 1.71
15V Supply 3.19 3.18 3.19 3.18 3.17 3.18 3.19 3.17
Shield temp 240.59 240.72 244.62 244.66 243.90 237.69 214.38 214.91
Block temp 219.39 218.95 232.11 231.02 230.04 216.45 159.76 156.53
DME temp 259.17 259.01 259.45 259.17 259.32 259.83 259.28 259.95
Ancil. STOP
RbiStart A, NOM
Conf 5
Exp. Mode HEATER
TLM Mode MEAS-TL COMPLETE
ChkState STATE
Format RTF 99
OBT 0x0ae43615
Moni. TRUE
Anom 0


Picture Manager
picture IIMEAS.m1 not checked - no version given
support@ENV2MMI - IEGSE-SE V1.12.2 - Preparation
Mon Aug 24 01:50:38 1998
System Control
Help
envisattopPic
Stimuli
Config. 1
Lambda 1660 nm
PPC 0.0
Polar 85.4 deg
Shutter open
Acq. 1
S/S start
ATC ACTIVE
Nadir -16.2 C
Limb -17.9 C
RAD-A -18.0 C
Sun (Subsolar)
Nadir
Limb
Sun/ Moon
NCW
CLOSED
WLS
OFF
A
0.0 mA
B
0
SLS
OFF
-5.33 V
0.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -16.7 C
ElecTmp -17.8 C
Azimuth Scanner
ACTIVE
273160 45.000
Elevation Scanner
ACTIVE
594193 -45.001
Telescope
Spectrom.
Cover
UNLOCKED
Cover
UNLOCKED
Aperture Stop
LARGE
NDF
OUT
Channel 1 2 3 4 5 6 7 8
Bias Volt. 2.50 2.50 2.50 2.50 2.50 -0.03 -0.05 -0.03
Test input 0.00 0.00 0.00 0.00 0.00 0.01 0.01 0.01
5V Supply 1.73 1.71 1.71 1.72 1.72 1.71 1.72 1.71
15V Supply 3.19 3.18 3.19 3.18 3.17 3.18 3.19 3.17
Shield temp 240.58 240.72 244.62 244.67 243.90 237.70 214.38 214.86
Block temp 219.39 218.95 232.13 231.02 230.03 216.45 159.77 158.54
DME temp 259.18 259.01 259.46 259.18 259.32 259.84 259.28 259.95
Ancil. STOP
RbiStart A, NOM
Conf 5
Exp. Mode HEATER
TLM Mode MEAS-TL COMPLETE
ChkState STATE
Format RTF 15
OBT 0x0b0ef618
Moni. TRUE
Anom 0


Picture Manager
picture IIMEAS.m1 not checked - no version given
support@ENV2MMI - IEGSE-SE V1.12.2 - Preparation
Mon Aug 24 02:48:48 1998
System Control
Help
envisatTopPic
Stimuli
Config. 1
Lambda 1600 nm
PPC 0.0
Polar 85.4 deg
Shutter open
Acq. 1
S/S start
ATC ACTIVE
Nadir -16.2 C
Limb -17.9 C
RAD-A -16.0 C
Sun (Subsolar)
Nadir
Limb
Sun/
Moon
NCW
CLOSED
A
B
WLS
OFF
-0.0 mA
0
SLS
OFF
-5.30 V
0.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -16.7 C
ElecTmp -17.6 C
Azimuth Scanner
ACTIVE
273160 45.000
Elevation Scanner
ACTIVE
594194 -45.000
Telescope
Spectrom.
Cover
UNLOCKED
Cover
UNLOCKED
Aperture Stop
LARGE
NDF
OUT
Channel 1 2 3 4 5 6 7 8
Bias Volt. 2.50 2.50 2.50 2.50 2.50 -0.03 -0.05 -0.03
Test input 0.00 0.00 0.00 0.00 0.00 0.01 0.01 0.01
5V Supply 1.73 1.71 1.71 1.72 1.72 1.71 1.72 1.71
15V Supply 3.19 3.18 3.19 3.18 3.17 3.18 3.19 3.17
Shield temp 240.57 240.72 244.61 244.67 243.89 237.70 214.33 214.87
Block temp 219.40 218.94 232.10 231.04 230.03 216.48 159.77 156.55
DME temp 259.17 259.01 259.46 259.18 259.31 259.84 259.28 259.96
Ancil. STOP
RbiStart A, NOM
Conf 5
Exp. Mode HEATER
TLM Mode MEAS-TL COMPLETE
ChkState STATE
Format RTF 234
OBT 0x0b1c9b25
Moni. TRUE
Anom 0


Picture Manager
picture IIMEAS.m1 not checked - no version given
support@ENV2MMI – IEGSE-SE V1.12.2 – Preparation
Mon Aug 24 03:35:13 1998
System Control
Help
envisatTopPic
Stimuli
Config. 1
Lambda 1780 nm
PPC 0.0
Polar 85.4 deg
Shutter open
Acq. 1
S/S start
ATC ACTIVE
Nadir -18.2 C
Limb -17.9 C
RAD-A -18.0 C
Sun (Subsolar)
Nadir
Limb
Sun/ Moon
NCW
CLOSED
A
B
WLS
OFF
-0.0 mA
0
SLS
OFF
-5.34 V
0.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -18.7 C
ElecTmp -17.7 C
Azimuth Scanner
ACTIVE
273160 45.000
Elevation Scanner
ACTIVE
594194 -45.000
Telescope
Spectrom.
Cover
UNLOCKED
Cover
UNLOCKED
Aperture Stop
LARGE
NDF
OUT
Channel 1 2 3 4 5 6 7 8
Bias Volt. 2.50 2.50 2.50 2.50 2.50 -0.03 -0.05 -0.03
Test input 0.00 0.00 0.00 0.00 0.00 0.01 0.01 0.01
5V Supply 1.73 1.71 1.71 1.72 1.72 1.71 1.72 1.71
15V Supply 3.19 3.18 3.19 3.18 3.17 3.18 3.19 3.17
Shield temp 240.58 240.72 244.62 244.67 243.90 237.70 214.36 214.91
Block temp 219.38 218.94 232.10 231.02 230.01 216.45 159.78 156.54
DME temp 259.17 259.01 259.45 259.18 259.31 259.84 259.28 259.95
Ancil. STOP
RbiStart A, NOM
Conf 5
Exp. Mode HEATER
TLM Mode MEAS-TL COMPLETE
ChkState STATE
Format RTF 152
OBT 0x0b277b14
Moni. TRUE
Anom 0


Picture Manager
picture IICAOPT.m1 not checked - no version given
support@ENV2MMI - IEGSE-SE V1.12.2 - Exec
Mon Aug 24 05:22:44 1998
System Control
Help
envisatTopPic
IICAOPT
Stimuli
Config. 1
Lambda 1552 nm
PPC 0.0
Polar 85.4 deg
Shutter open
Acq. 1
S/S start
ATC ACTIVE
Nadir -16.2 C
Limb -17.9 C
RAD-A -16.0 C
Sun (Subsolar)
Nadir
Limb
Sun/
Moon
NCW
CLOSED
A
B
WLS
OFF
0.0 mA
0
SLS
OFF
-5.33 V
0.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -16.7 C
ElecTmp -17.6 C
Azimuth Scanner
ACTIVE
273160 45.000
Elevation Scanner
ACTIVE
594194 -45.000
Telescope
Spectrom.
Cover
UNLOCKED
Cover
UNLOCKED
Aperture Stop
LARGE
NDF
OUT
Channel 1 2 3 4 5 6 7 8
Bias Volt. 2.50 2.50 2.50 2.50 2.50 -0.03 -0.05 -0.03
Test input 0.00 0.00 0.00 0.00 0.00 0.01 0.01 0.01
5V Supply 1.73 1.71 1.71 1.72 1.72 1.71 1.72 1.71
15V Supply 3.19 3.18 3.19 3.18 3.17 3.18 3.19 3.17
Shield temp 240.58 240.71 244.61 244.66 243.90 237.69 214.36 214.89
Block temp 219.39 218.94 232.11 231.02 230.01 216.46 159.75 156.55
DME temp 259.18 259.01 259.46 259.17 259.31 259.84 259.28 259.95
Ancil. STOP
RbiStart A, NOM
Conf 5
Exp. Mode HEATER
TLM Mode MEAS-TL COMPLETE
ChkState STATE
Format RTF 45
OBT 0x0b40aa18
Moni. TRUE
Anom 0

	LOG SHEET SCHIAMACHY CALIBRATION	
Date/Time	**Description of action**	**Measurement directory**
24/8/98 5:00	start step 14.2 XSI - 7 UID 16	

Formal Run of Measurement

(Measurement ID) Xi-7

Request for Actual Status		(cross out entries that are **not** requested.)
Request for Modification		(fill in only entries to be modified)
Request for Run	X	(no entries = run based on actual default settings)

Scanner Positions

Azimuth	145.000	deg
Elevation	-45.000	deg

Timeline for each Data Acquisition Period during Measurement

	1	2	3	4	5	6	7	8	9	10
State ID	23									
Repetitions	1									

State Parameters for States used in Timeline (State ID must be given)

Channel	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding
1a	64	1						
1b	64	1						
2b	64	1						
2a	64	1						
3	64	1						
4	64	1						
5	64	1						
6	0.125	64						
7	2	32						
8	2	32						
State ID								

Stimuli Settings for Existing Blocks in Measurement

Block No	Stimuli Setup ID	PPC [deg]	Polarizer [deg]	Shutter open/close	Acquisition Time [s]	Lambda [nm] Start	Stop	Step	Repetition Factor	Message	OS Setup Time [s]
1	1	0	85.4	close	1	1550	1550	0	1	DU	50
2	1	0	85.4	open	1	1550	1550	0	1	MP~	8
3	1	0	85.4	open	1	1552	1780	2	1	MP~	3
4	1	0	85.4	close	1	1780	1780	0	1	DN2	8

Change !

Measurement Data Description

Test Purpose	WID_16
Remark	Formal run
Data Directory	0286_05.12.32_Xi_7

Signatures

	Date	Signature
Issued	24/8/98	
< Performed	24-8-98	

STEP	ACTION	RESULT	MARKER
Intro	Your name:	M. Kalf	
	Date:	24-8	
	What's the name of the (main) data input files generated by the EGSE? (*.dat)	scia_ 05171272 7.dat (1) 24oct99d8.0 07063771g (2) (A)	
	Setup a three-window configuration on your SUN.		see course descr.
Cnstr directory	`cd ~/DATA-DIR/XSI-VisIr-IV/ ; ls -l` highest number in directory?	1 (B)	Note: In window DATA-DIR
	New directory: `mkdir <B+1>` `ls -l` What's now the highest number in directory? <C> should be <B> + 1	2 (C) Y / N	
	directory name is:	`~/DATA-DIR/XSI-VisIR-IV/<C>`	(DIR-NAME)
Copy data	See Analysis sheet: Transfer Data File	Y / N	In DATA-DIR window
Cnstr EGSE_LTF	`cal_raw2ltf .` (Error messages are not necessarily fatal; check with SOLAN --in solan window-- whether output file is okay: there should be a signal present, and `dremark1` labels should be filled) `ls -l *.egse_ltf` What's the name of the egse_ltf file	scia_24oct99d8.05171272 7.egse_ltf (D)	Note: In window DATA-DIR; ***don't forget the dot !!!;*** *May take more than 15 mins.*
	`<D>` should be `<A>.egse_ltf`	Y / N	
Cnstr CAL files	`idl` `run_fastaverscia` (and select file <D> when asked)		Note: In window IDL

Check CAL files	Dark files: `ls -l *du*.cal`		In DATA-DIR Window
	size:	8	should be approx 150Kb
	Monochromator ouput: `ls -l *mp<lambda>*.avg.cal` (where lambda is a wavelength indicator)		
	size:	8	should be approx 150Kb
	lambda ranges from:	1550 – 1780	
	to: Note: all files should be present, if not: (a) Check file <D> using SOLAN and check whether `dremark1` labels are present. (b) Check if enough disk space is available (Unix command `df -k | more`).	1780	
Print postscript	Pick a *.mp<lambda>.avg.cal file. `lpr -P<printer> *.avg.cal.ps` Contents dark file `*du.avg.cal.ps` should be approx. constant within channels:	Y / N	
	Contents of a file *mp<lambda>.avg.cal.ps should contain a peak signal in corresponding channel (cannot be seen in channels 7 and 8):	Y / N	
	Contents of *mp<lambda>.rel_std.cal.ps files should be smaller than 0.01 (pixel 300 -- 800) for all channels.	Y / N	
	If not, value is:		

Add postscript images to logbook, done (Y)/N

Print logfiles

```
lpr -P<printer>
*.log
```

Add logfiles to logbook, done (Y)/N but not all (to many)

Xsi processing

Control file

Construct `control-file` in dir. <DIR-NAME> where each line is of the form `<l1> <l2> <darkname>` (meaning that file `<darkname>` is to be used as dark measurement for monochromator outputs with wavelength `M` such that `<l1> <= M <= <l2>`).

```
lpr -P<printer>
<DIR-NAME>/control-
file
```

Add `control-file` to logbook, done (Y)/N

Run XSI

```
idl do_xsi
```

Check XSI

```
ls -l *.data
```

In DATA-DIR window

Size of file `<D>.du*.cal.data` 50228

Check XSI visually

```
idl
do_xsi_processing
```

In IDL window

```
lpr -P<printer>
*.data.ps
```

In DATA-DIR window

Value of XSI resembles expected XSI (see [Predicted PFMcalibration results])? Y (N)

Add postscript images to logbook, done (Y)/N

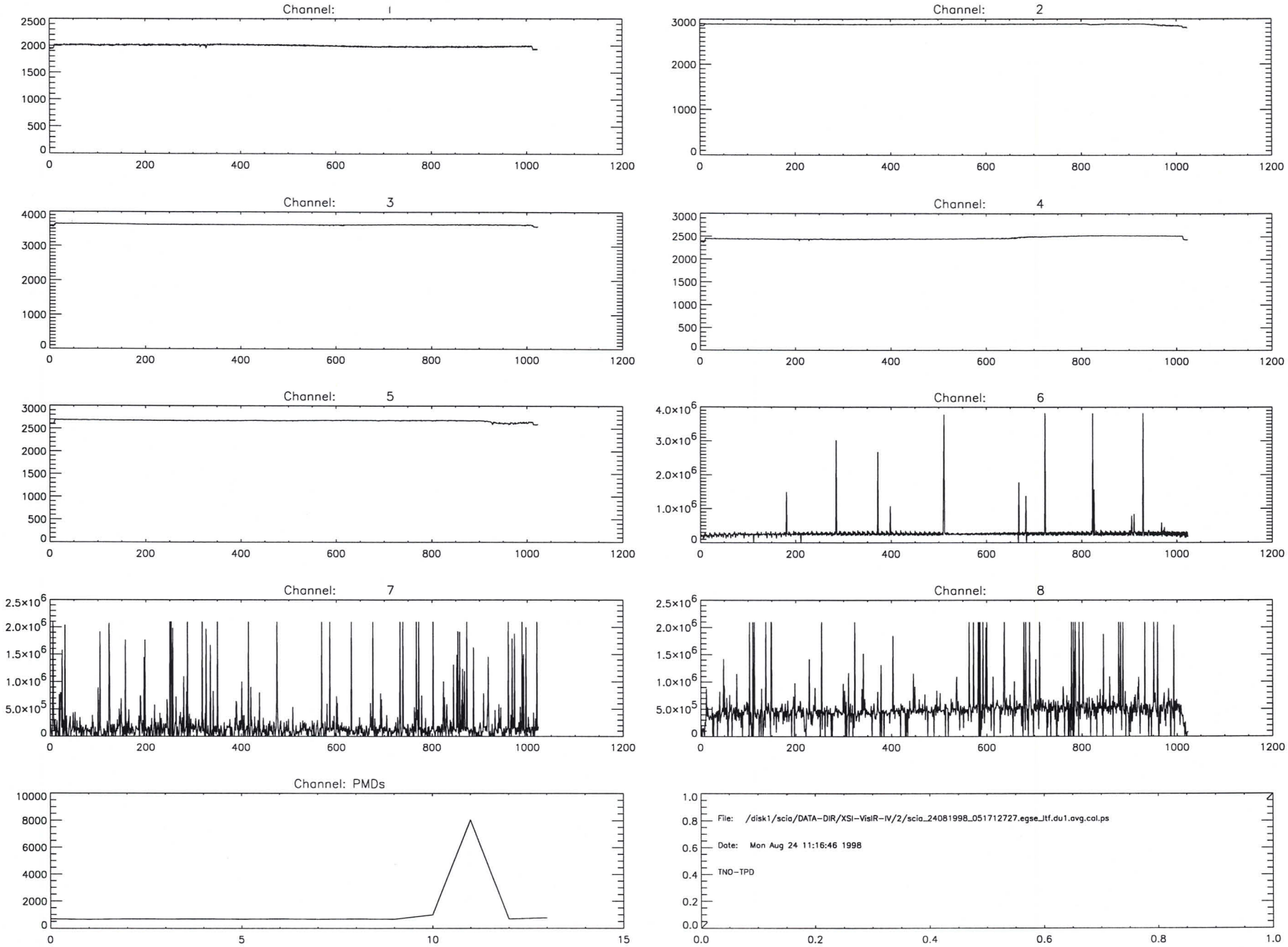
Print logfiles

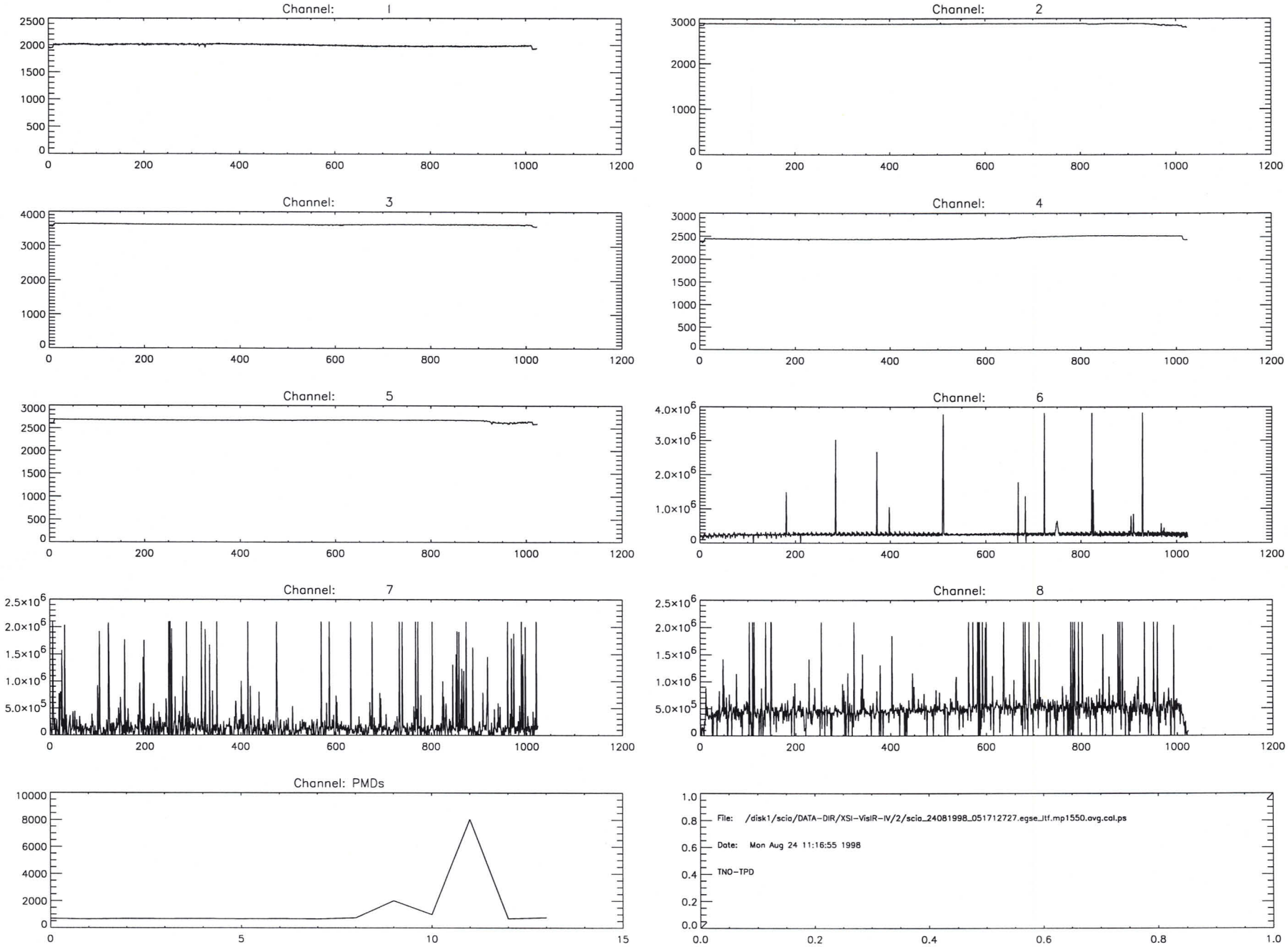
```
lpr -P<printer>
*.data.log
```

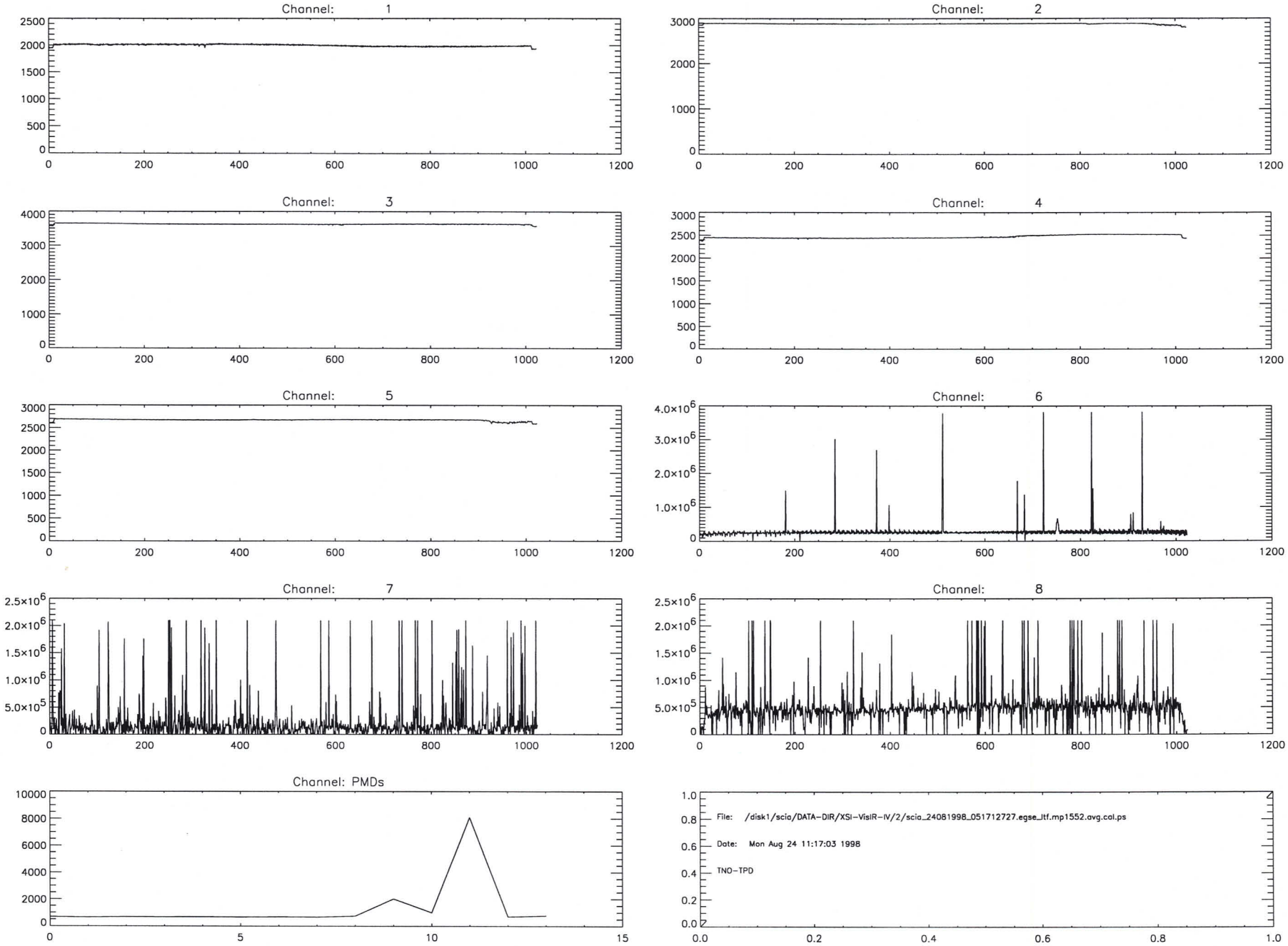
	Add logfiles to logbook, done	(Y) / N	

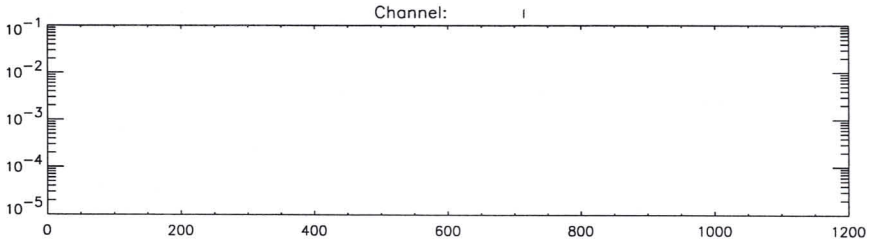
Back up	Create 3 sets of backup CDs of directory <DIR-NAME> (One CD has a capacity of 600 Mbytes, the UNIX command `/usr/bin/du -k .` gives the number of kilo bytes in the current directory).		See analysis sheet BackUp
	Name of backup CDs	240898 C	

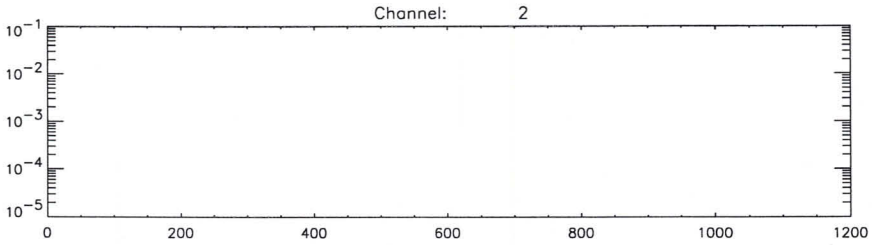
Sign:	Name	Wendell
	Date and time	24-08-98
	Signature	

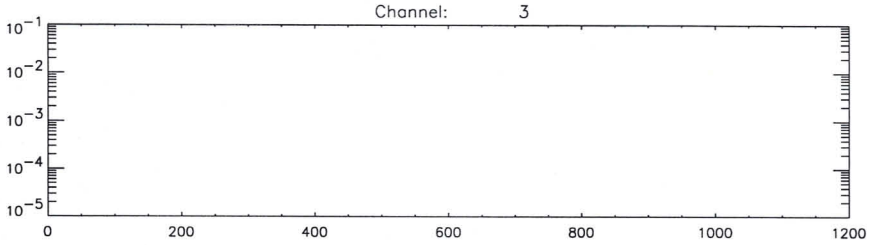

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/XSI-VisIR-IV/2/scia_24081998_051712727.egse_itf.du1.avg.cal.ps
Date: Mon Aug 24 11:16:46 1998
TNO-TPD

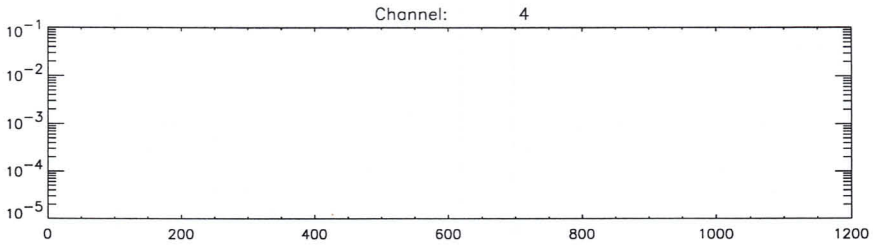

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/XSI-VisIR-IV/2/scia_24081998_051712727.egse_itf.mp1550.avg.cal.ps
Date: Mon Aug 24 11:16:55 1998
TNO-TPD

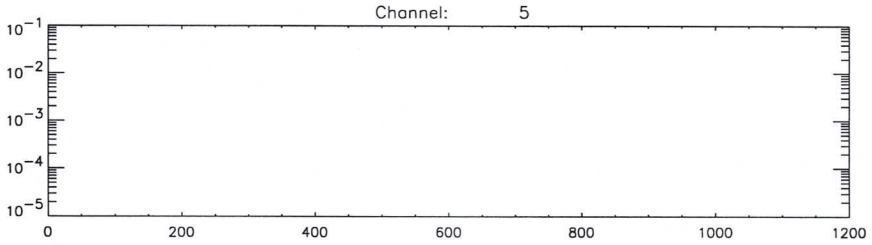

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/XSI-VisIR-IV/2/scia_24081998_051712727.egse_ltf.mp1552.avg.cal.ps
Date: Mon Aug 24 11:17:03 1998
TNO-TPD

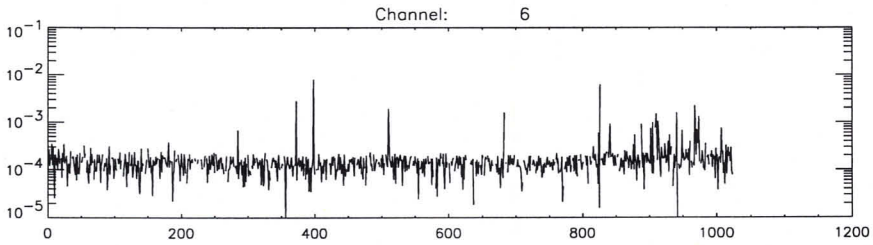

Channel: 1
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

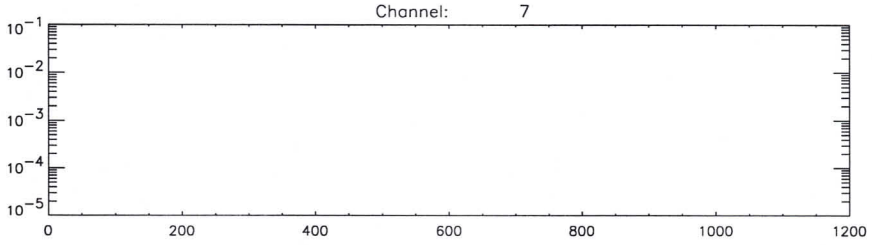

Channel: 2
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

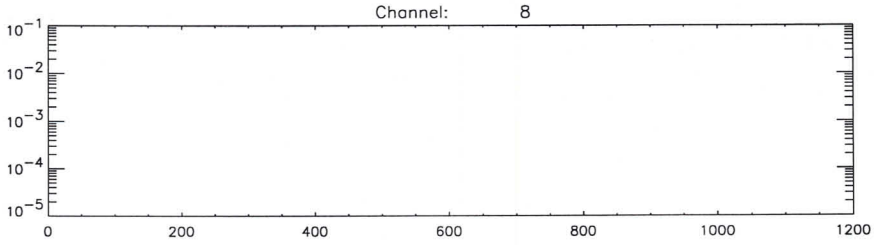

Channel: 3
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

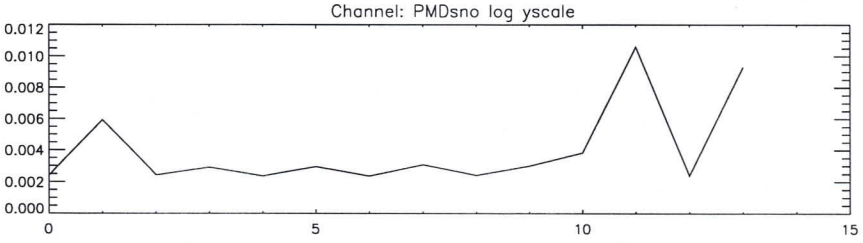

Channel: 4
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

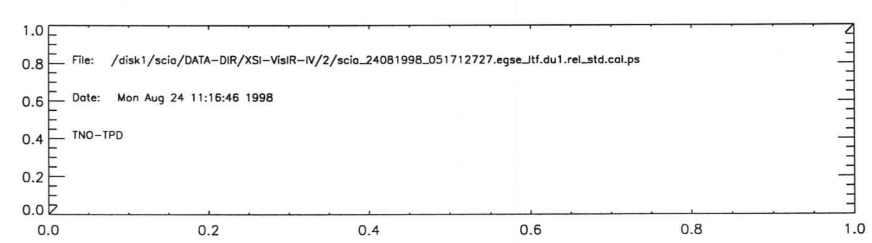

Channel: 5
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

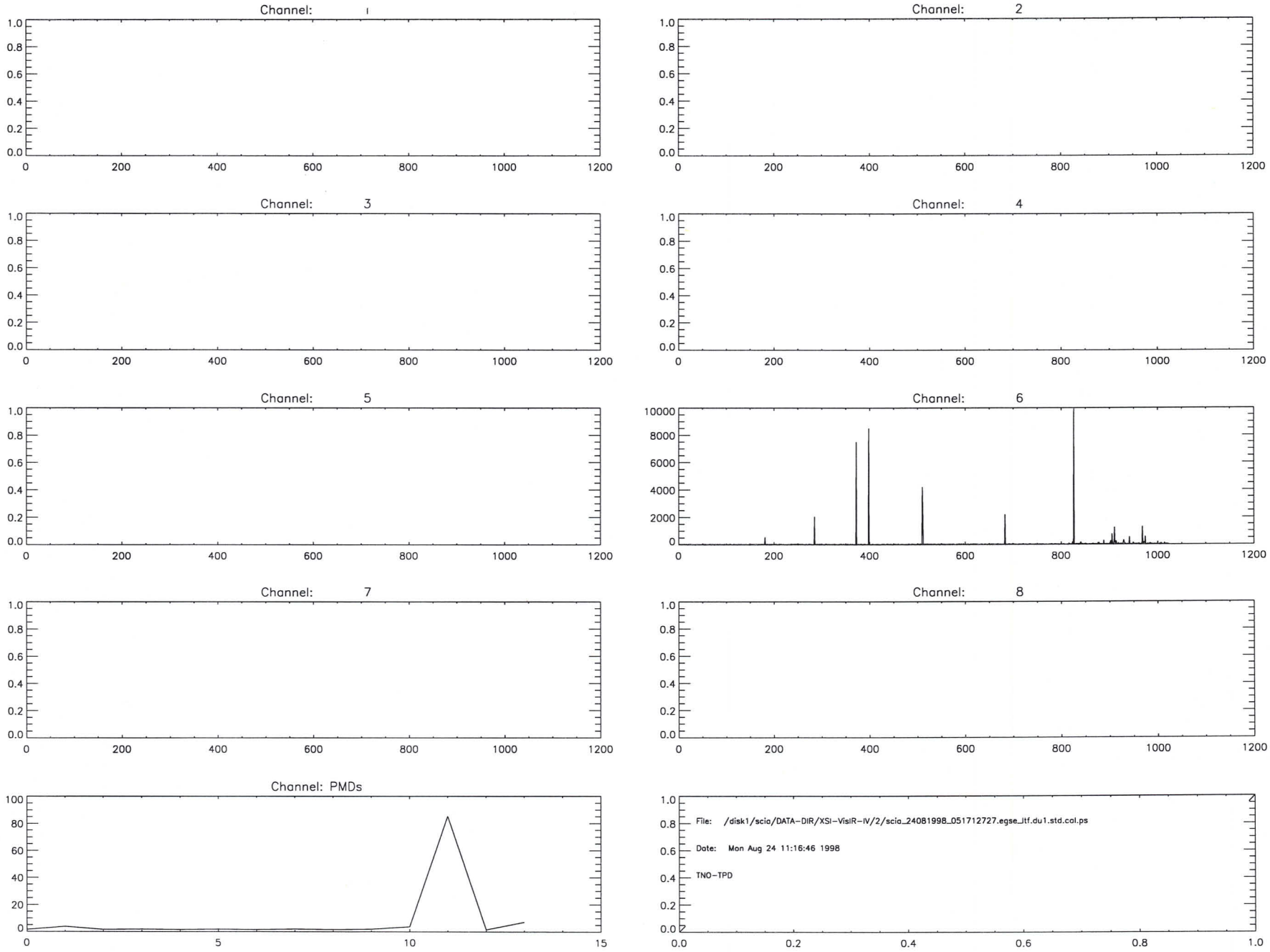

Channel: 6
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

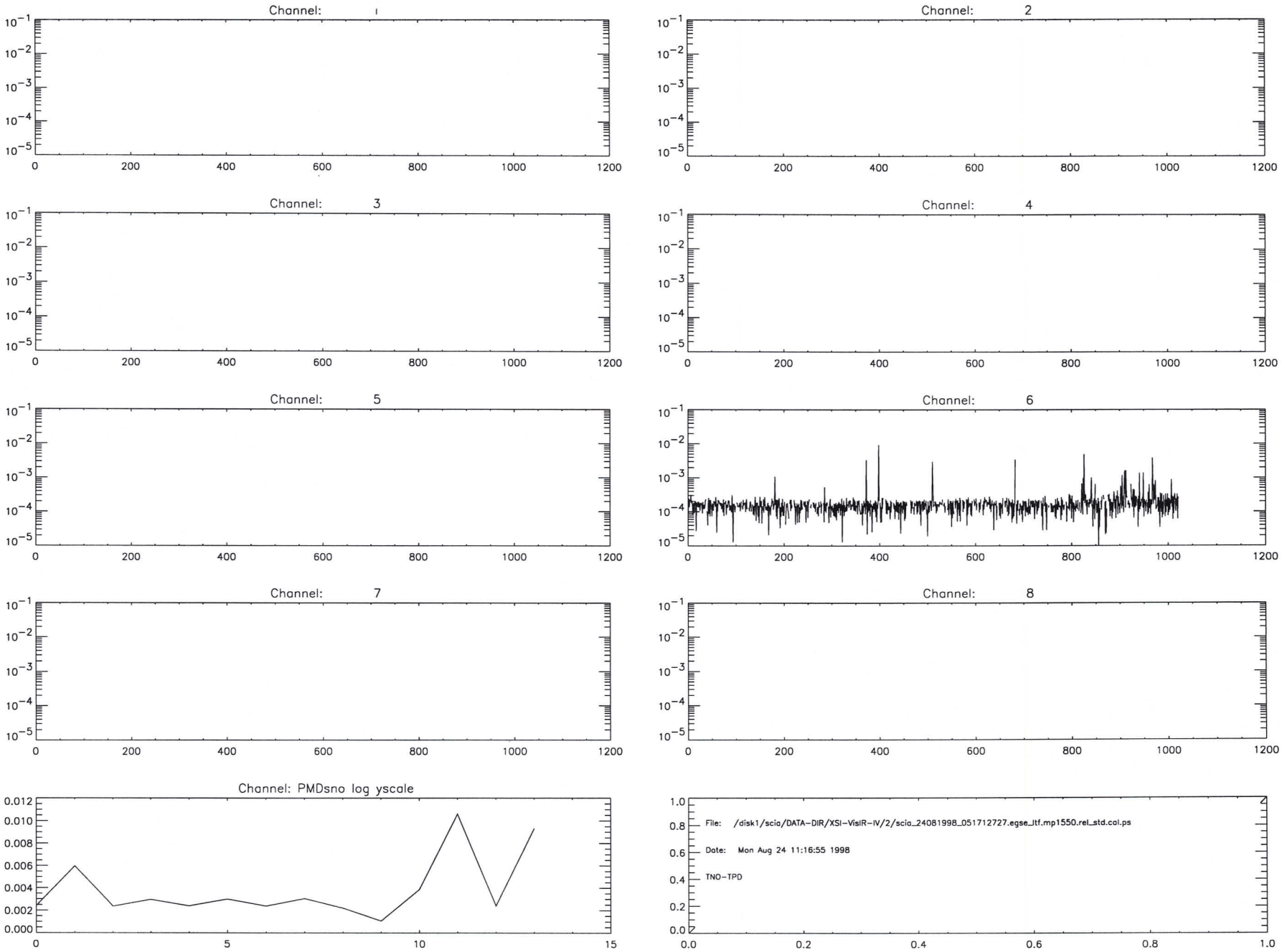

Channel: 7
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

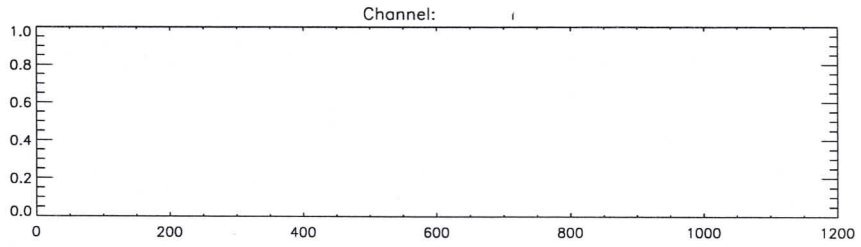

Channel: 8
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

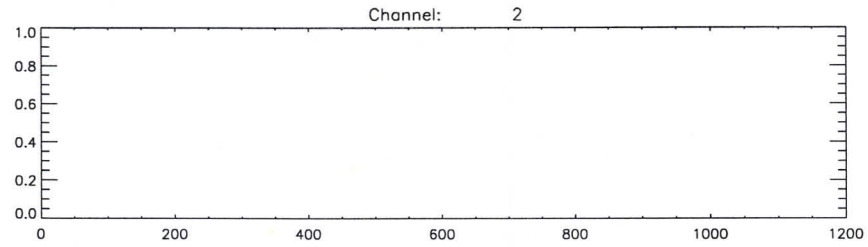

Channel: PMDsno log yscale
0.012
0.010
0.008
0.006
0.004
0.002
0.000
0
5
10
15

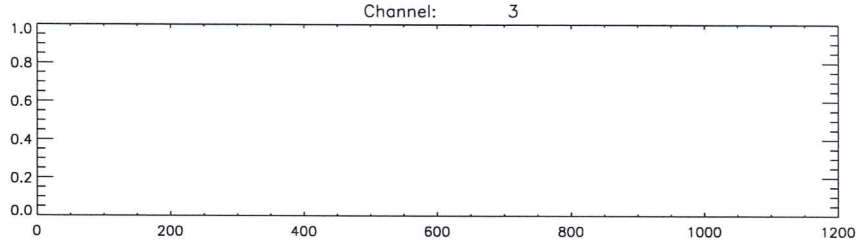

1.0
0.8
0.6
0.4
0.2
0.0
File: /disk1/scia/DATA-DIR/XSI-VisIR-IV/2/scia_24081998_051712727.egse_jtf.du1.rel_std.col.ps
Date: Mon Aug 24 11:16:46 1998
TNO-TPD
0.0
0.2
0.4
0.6
0.8
1.0

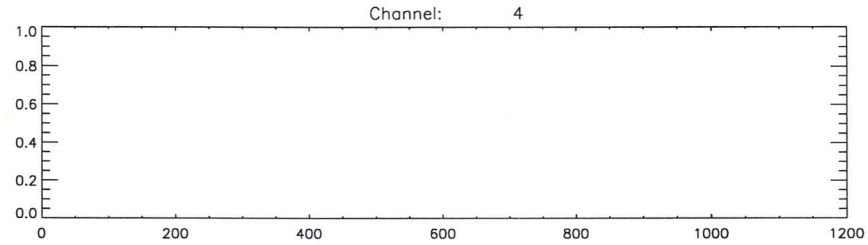

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/XSI-VisIR-IV/2/scia_24081998_051712727.egse_itf.du1.std.col.ps
Date: Mon Aug 24 11:16:46 1998
TNO-TPD

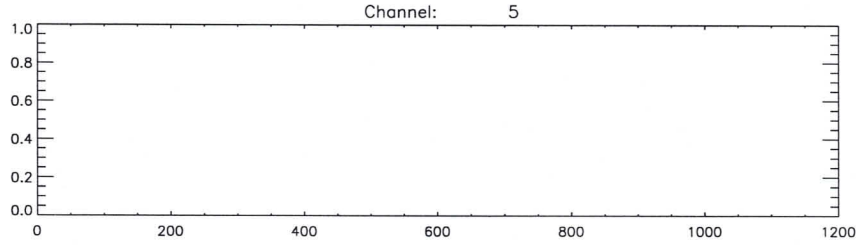

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDsno log yscale
File: /disk1/scia/DATA-DIR/XSI-VisIR-IV/2/scia_24081998_051712727.egse_itf.mp1550.rel_std.col.ps
Date: Mon Aug 24 11:16:55 1998
TNO-TPD

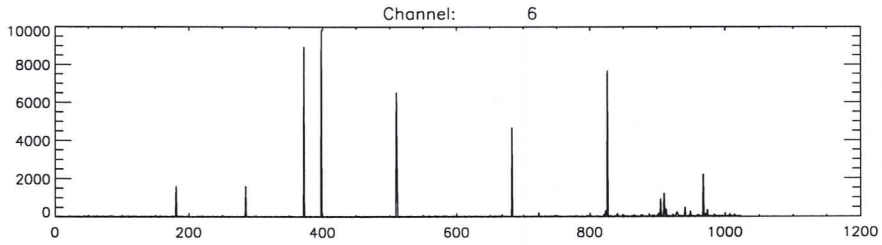

Channel:
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

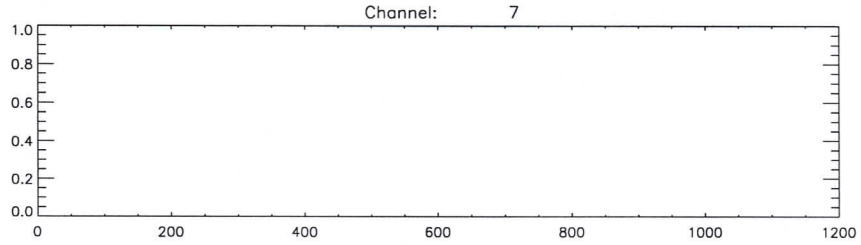

Channel: 2
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

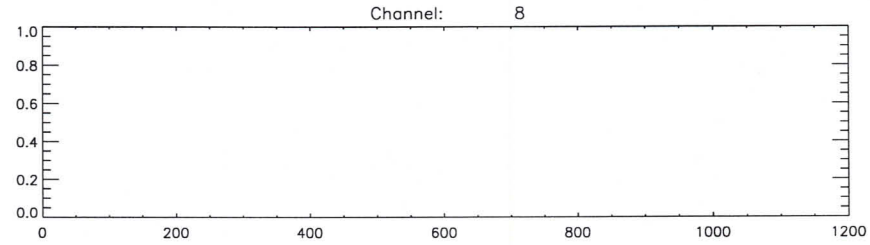

Channel: 3
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

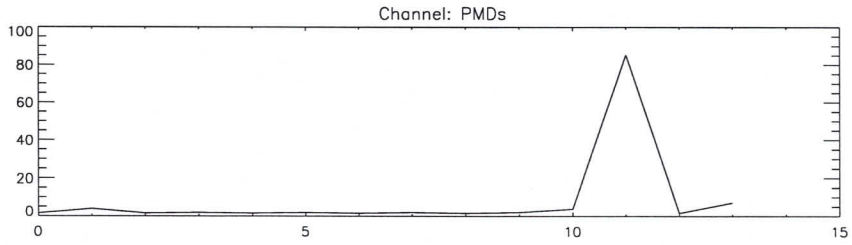

Channel: 4
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

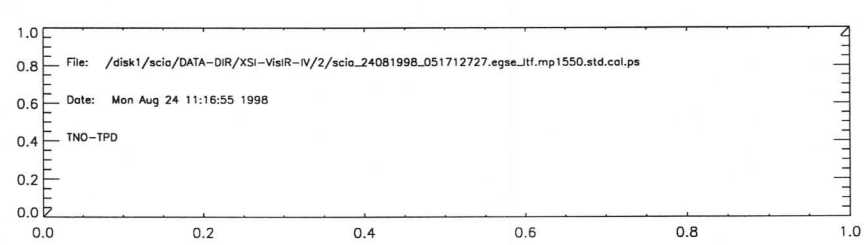

Channel: 5
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

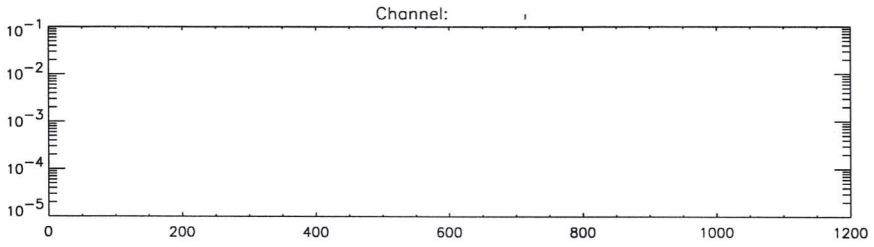

Channel: 6
10000
8000
6000
4000
2000
0
0
200
400
600
800
1000
1200

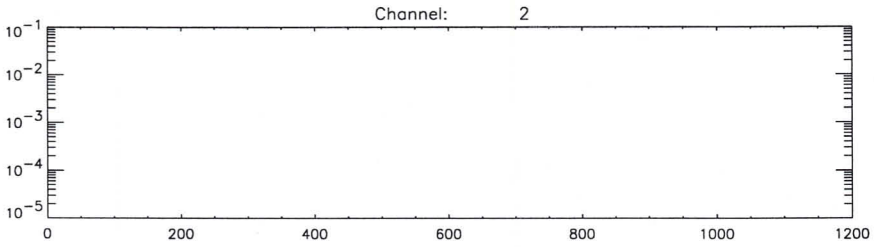

Channel: 7
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200


Channel: 8
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200


Channel: PMDs
100
80
60
40
20
0
0
5
10
15


File: /disk1/scia/DATA-DIR/XSI-VisIR-IV/2/scia_24081998_051712727.egse_itf.mp1550.std.cal.ps
Date: Mon Aug 24 11:16:55 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel:
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: 2
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10^{-2}
10^{-3}
10^{-4}
10^{-5}
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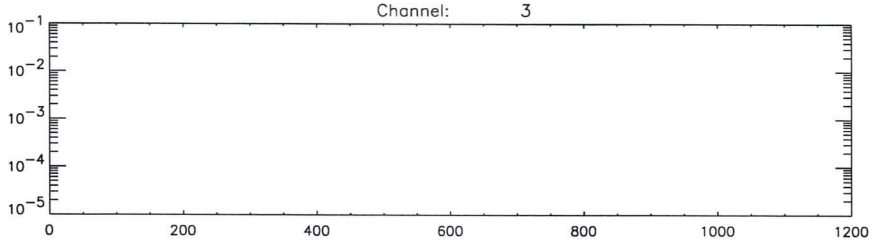
400
600
800
1000
1200


Channel: 3
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
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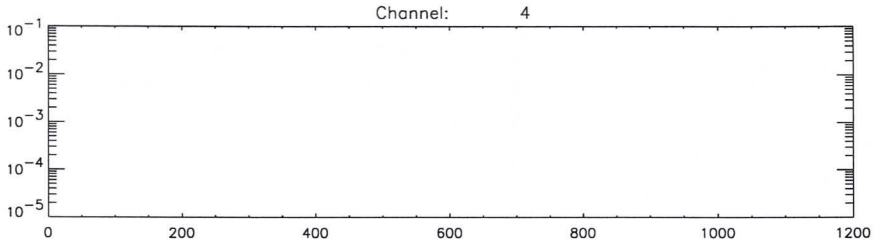
400
600
800
1000
1200


Channel: 4
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
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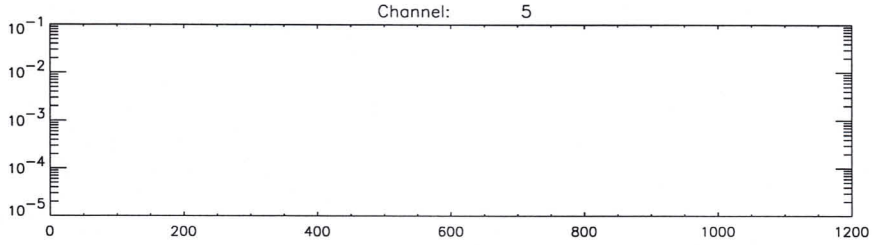
200
400
600
800
1000
1200


Channel: 5
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10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
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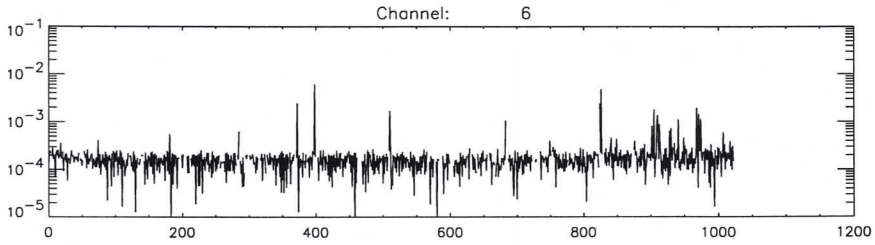
600
800
1000
1200


Channel: 6
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10^{-2}
10^{-3}
10^{-4}
10^{-5}
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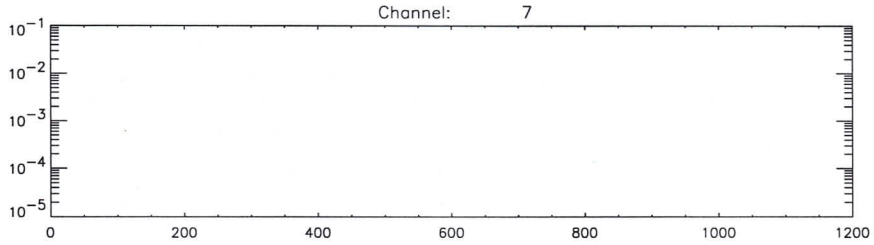
600
800
1000
1200


Channel: 7
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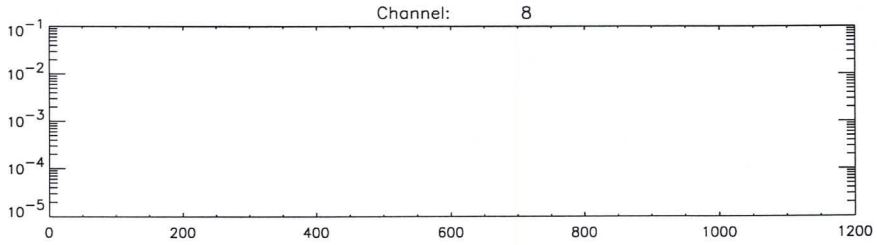
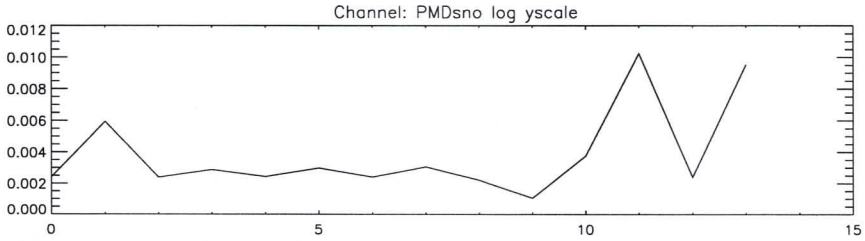
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: 8
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: PMDsno log yscale
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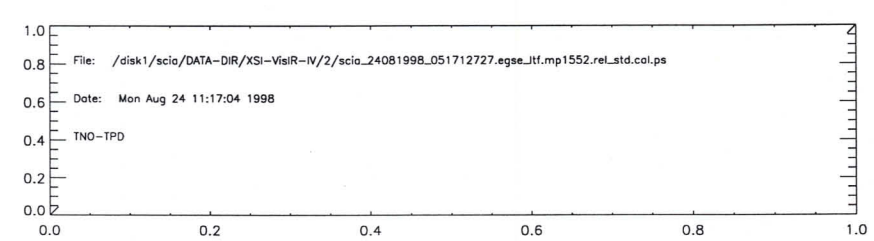
0.010
0.008
0.006
0.004
0.002
0.000
0
5
10
15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0.8
0.6
0.4
0.2
0.0
File: /disk1/scia/DATA-DIR/XSI-VisIR-IV/2/scia_24081998_051712727.egse_ltf.mp1552.rel_std.cal.ps
Date: Mon Aug 24 11:17:04 1998
TNO-TPD
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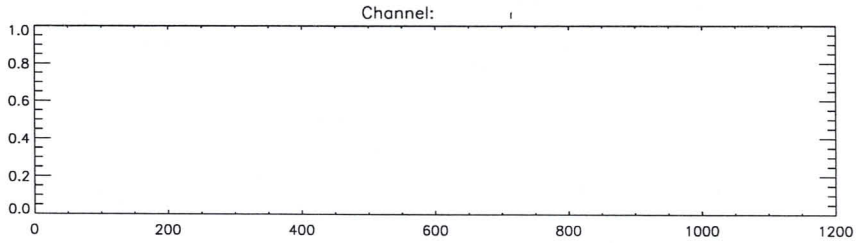
0.2
0.4
0.6
0.8
1.0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0.6
0.4
0.2
0.0
0
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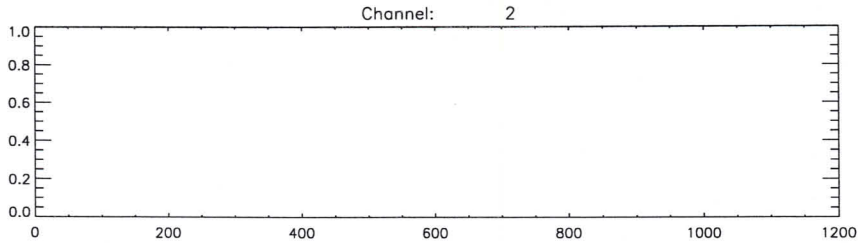
400
600
800
1000
1200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0.2
0.0
0
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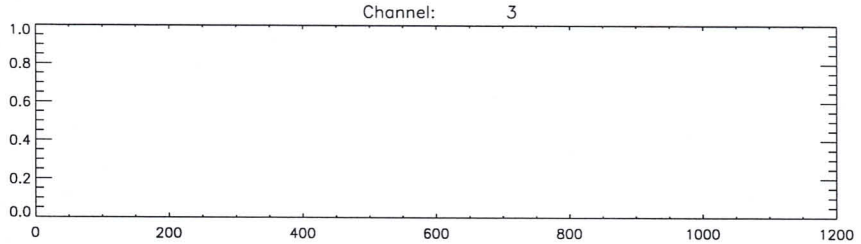
400
600
800
1000
1200


Channel: 3
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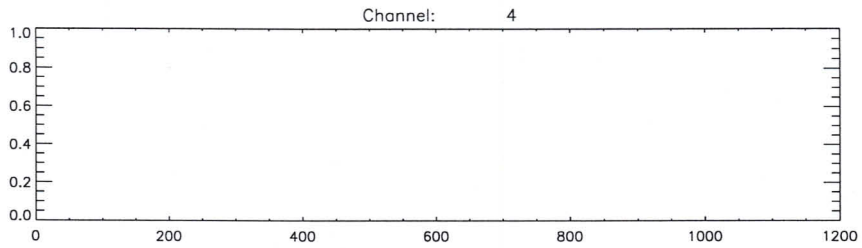
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200


Channel: 4
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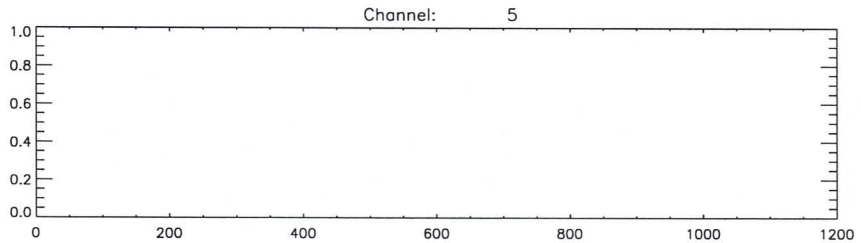
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200


Channel: 5
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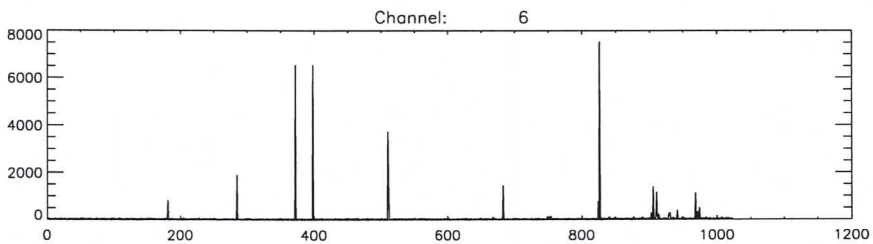
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200


Channel: 6
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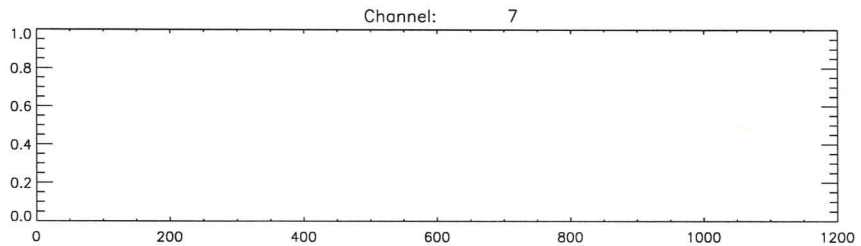
6000
4000
2000
0
0
200
400
600
800
1000
1200


Channel: 7
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0.6
0.4
0.2
0.0
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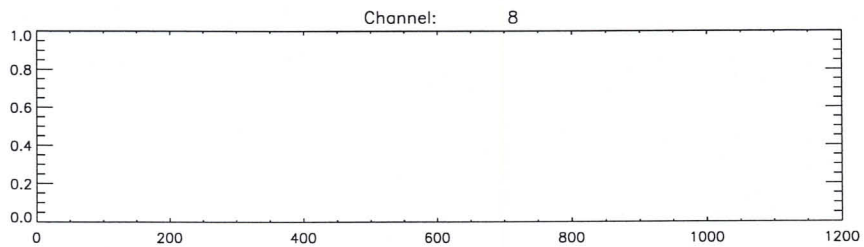
600
800
1000
1200


Channel: 8
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0.6
0.4
0.2
0.0
0
200
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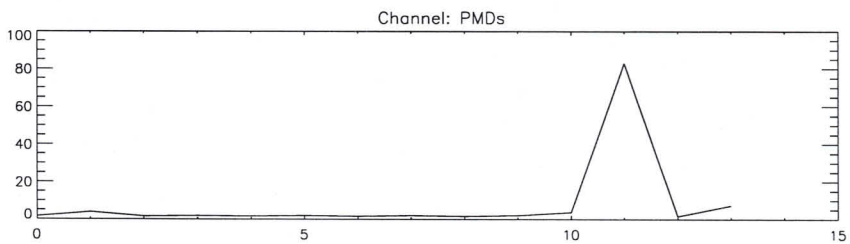
600
800
1000
1200


Channel: PMDs
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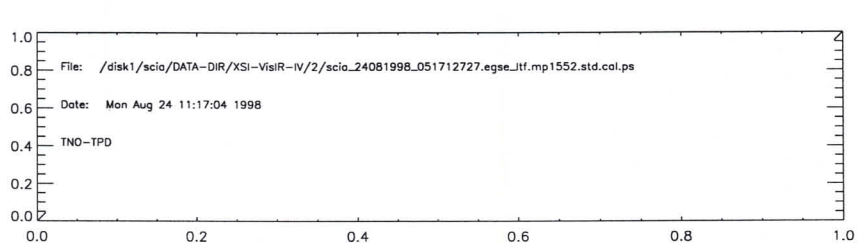
80
60
40
20
0
0
5
10
15


File: /disk1/scia/DATA-DIR/XSI-VisIR-IV/2/scia_24081998_051712727.egse_itf.mp1552.std.cal.ps
Date: Mon Aug 24 11:17:04 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

list van log files
te veel om alles
uit te printen
→ mp1550 +
mp1552

scia_24081998_051712727.egse_ltf.du1.log
scia_24081998_051712727.egse_ltf.du2.log
scia_24081998_051712727.egse_ltf.mp1550.log
scia_24081998_051712727.egse_ltf.mp1552.log
scia_24081998_051712727.egse_ltf.mp1554.log
scia_24081998_051712727.egse_ltf.mp1556.log
scia_24081998_051712727.egse_ltf.mp1558.log
scia_24081998_051712727.egse_ltf.mp1560.log
scia_24081998_051712727.egse_ltf.mp1562.log
scia_24081998_051712727.egse_ltf.mp1564.log
scia_24081998_051712727.egse_ltf.mp1566.log
scia_24081998_051712727.egse_ltf.mp1568.log
scia_24081998_051712727.egse_ltf.mp1570.log
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scia_24081998_051712727.egse_ltf.mp1574.log
scia_24081998_051712727.egse_ltf.mp1576.log
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scia_24081998_051712727.egse_ltf.mp1580.log
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scia_24081998_051712727.egse_ltf.mp1602.log
scia_24081998_051712727.egse_ltf.mp1604.log
scia_24081998_051712727.egse_ltf.mp1606.log
scia_24081998_051712727.egse_ltf.mp1608.log
scia_24081998_051712727.egse_ltf.mp1610.log
scia_24081998_051712727.egse_ltf.mp1612.log
scia_24081998_051712727.egse_ltf.mp1614.log
scia_24081998_051712727.egse_ltf.mp1616.log
scia_24081998_051712727.egse_ltf.mp1618.log
scia_24081998_051712727.egse_ltf.mp1620.log
scia_24081998_051712727.egse_ltf.mp1622.log
scia_24081998_051712727.egse_ltf.mp1624.log
scia_24081998_051712727.egse_ltf.mp1626.log
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scia_24081998_051712727.egse_ltf.mp1648.log
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scia_24081998_051712727.egse_ltf.mp1652.log
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scia_24081998_051712727.egse_ltf.mp1664.log
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scia_24081998_051712727.egse_ltf.mp1674.log
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scia_24081998_051712727.egse_ltf.mp1680.log
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scia_24081998_051712727.egse_ltf.mp1694.log
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scia_24081998_051712727.egse_ltf.mp1704.log
scia_24081998_051712727.egse_ltf.mp1706.log
scia_24081998_051712727.egse_ltf.mp1708.log
scia_24081998_051712727.egse_ltf.mp1710.log
scia_24081998_051712727.egse_ltf.mp1712.log
scia_24081998_051712727.egse_ltf.mp1714.log
scia_24081998_051712727.egse_ltf.mp1716.log
s a_24081998_051712727.egse_ltf.mp1718.log
scia_24081998_051712727.egse_ltf.mp1720.log
scia_24081998_051712727.egse_ltf.mp1722.log
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scia_24081998_051712727.egse_ltf.mp1754.log
s a_24081998_051712727.egse_ltf.mp1756.log
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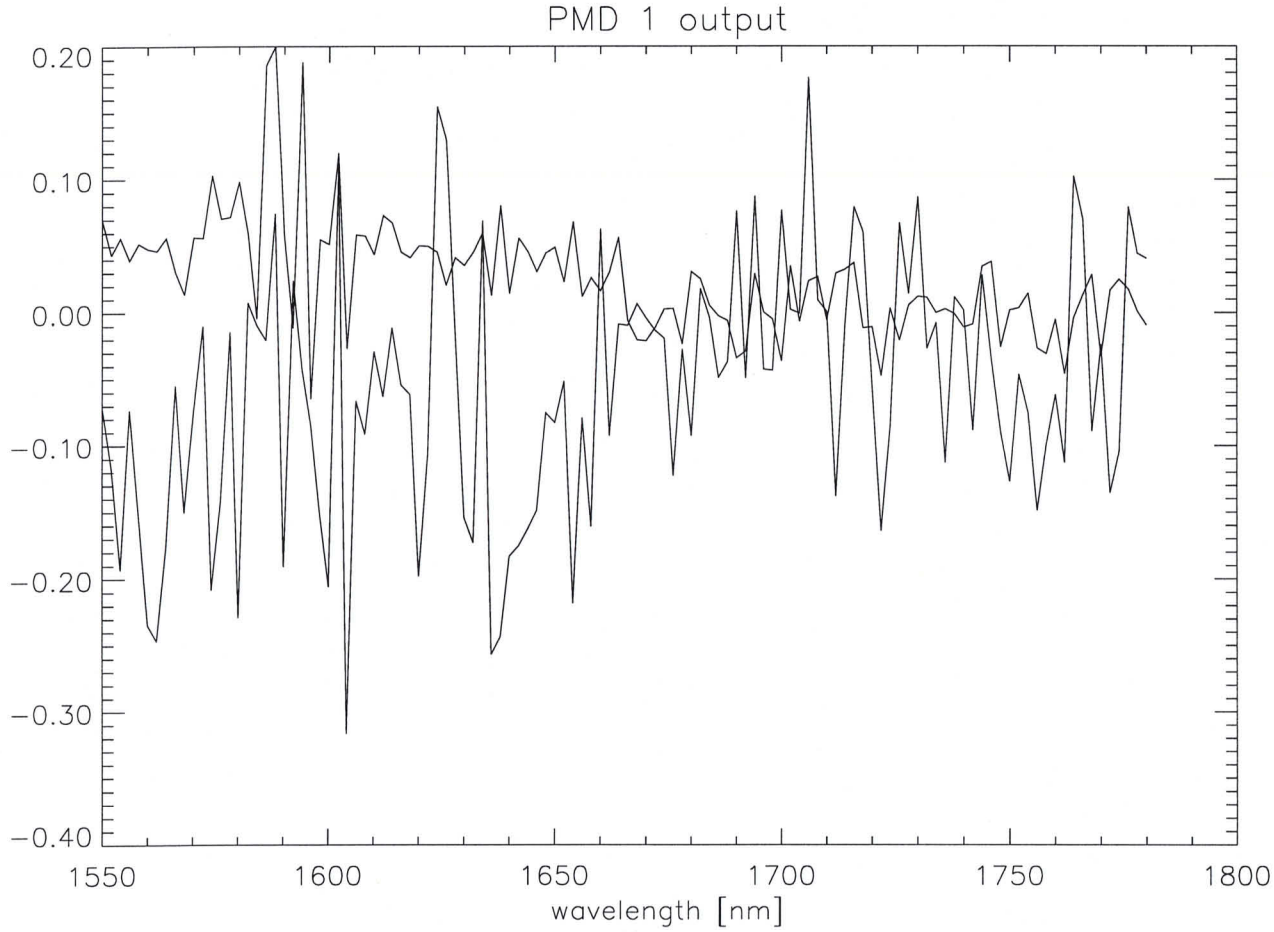
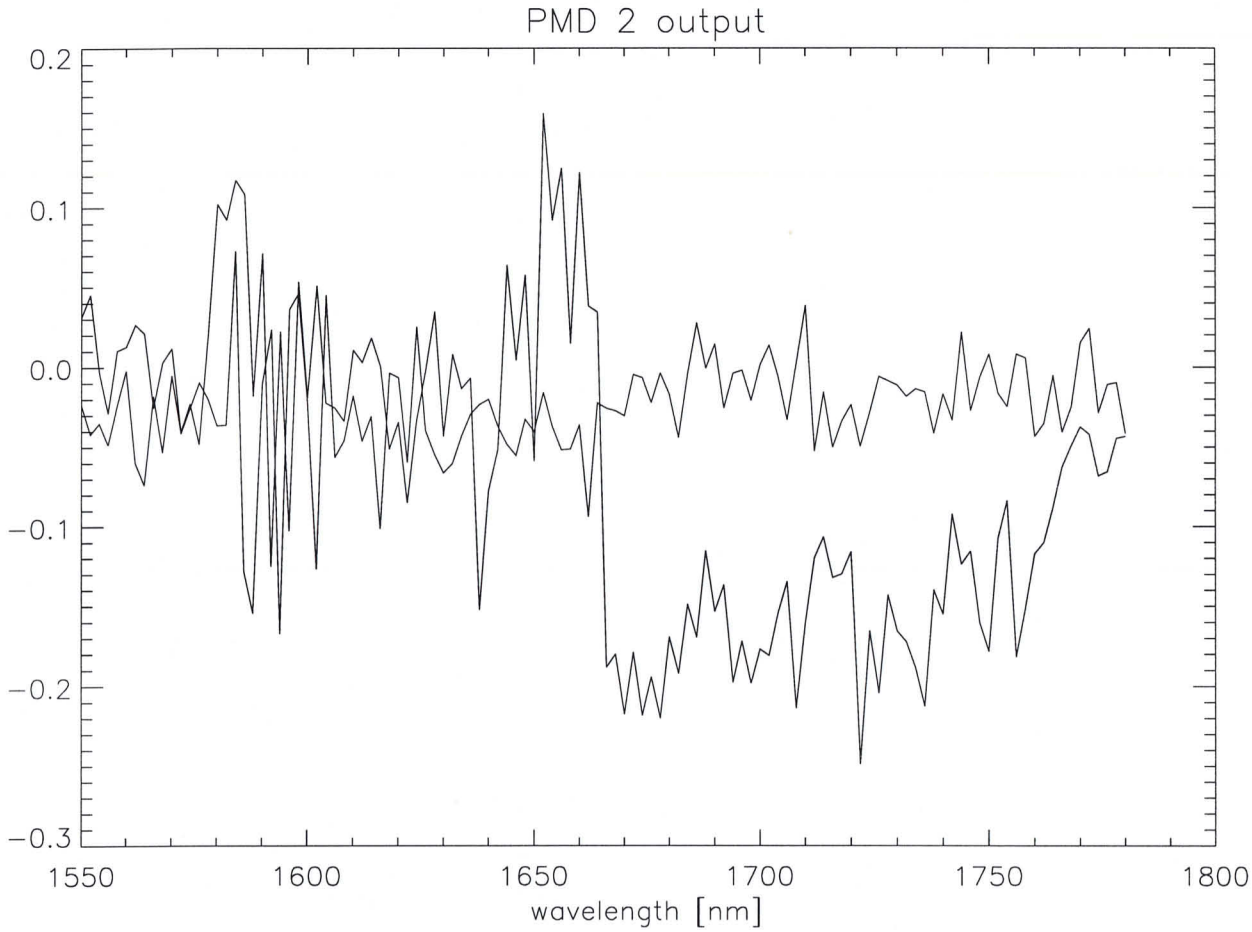
scia_24081998_051712727.egse_ltf.mp1770.log
scia_24081998_051712727.egse_ltf.mp1772.log
scia_24081998_051712727.egse_ltf.mp1774.log
scia_24081998_051712727.egse_ltf.mp1776.log
scia_24081998_051712727.egse_ltf.mp1778.log
scia_24081998_051712727.egse_ltf.mp1780.log

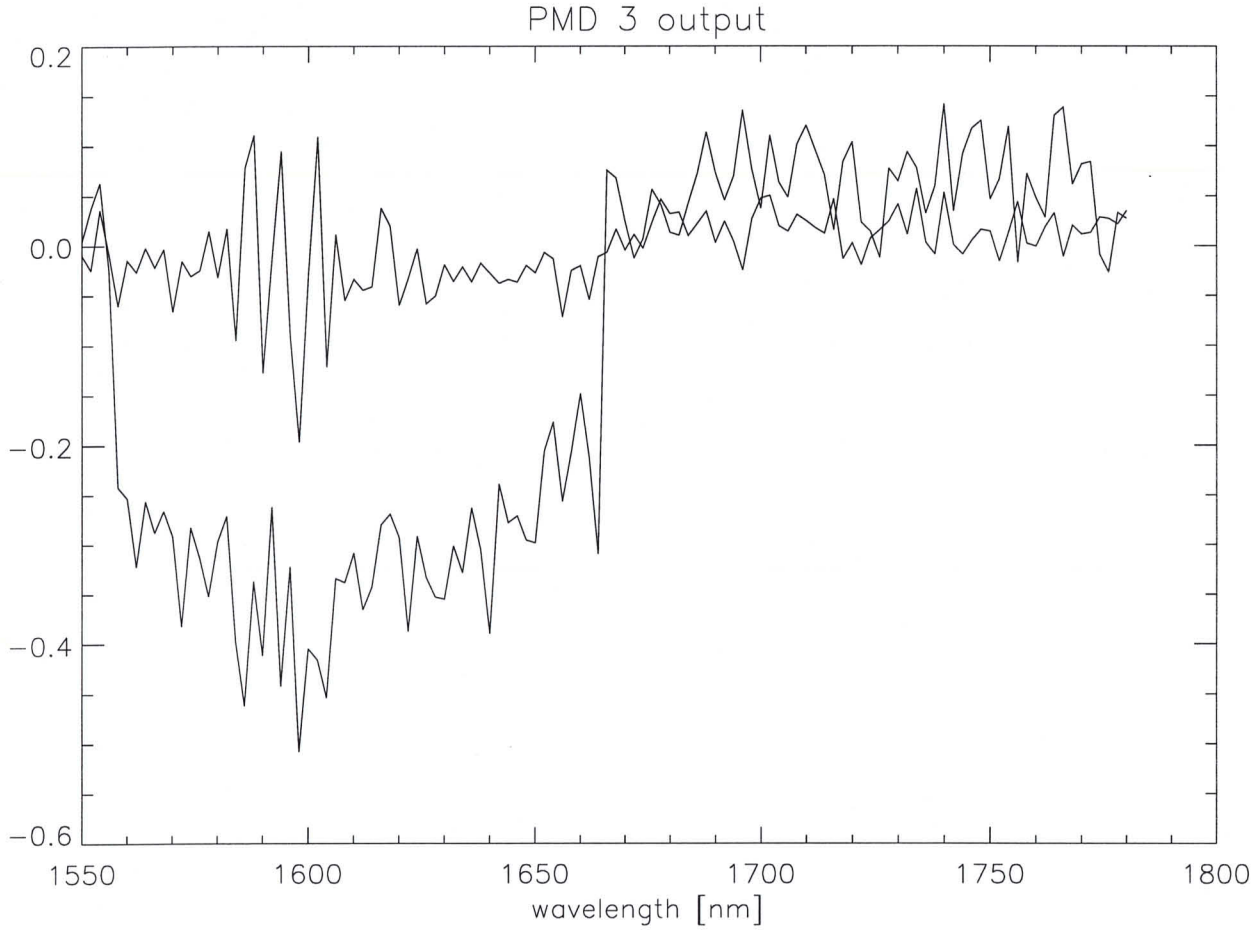
```
time       = Mon Aug 24 11:16:55 1998
batch      = mp1550
Start TOD = Mon 24-Aug-98 05:18:58
End   TOD = Mon 24-Aug-98 05:20:30
Processing= computation of average, standard dev. and rel.standard dev.
```

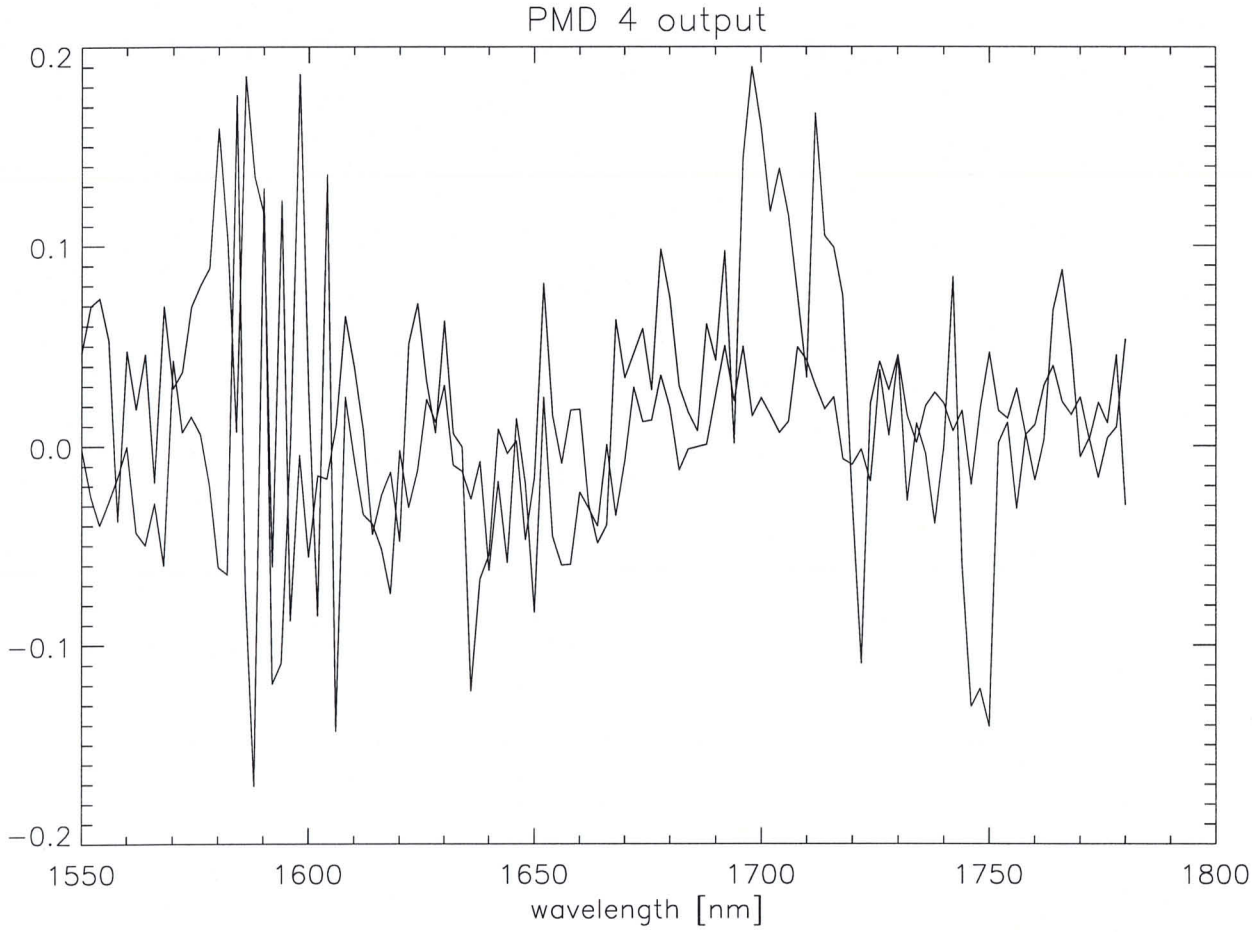
```
time       = Mon Aug 24 11:17:04 1998
batch      = mp1552
Start TOD = Mon 24-Aug-98 05:20:30
End   TOD = Mon 24-Aug-98 05:22:04
Processing= computation of average, standard dev. and rel.standard dev.
```

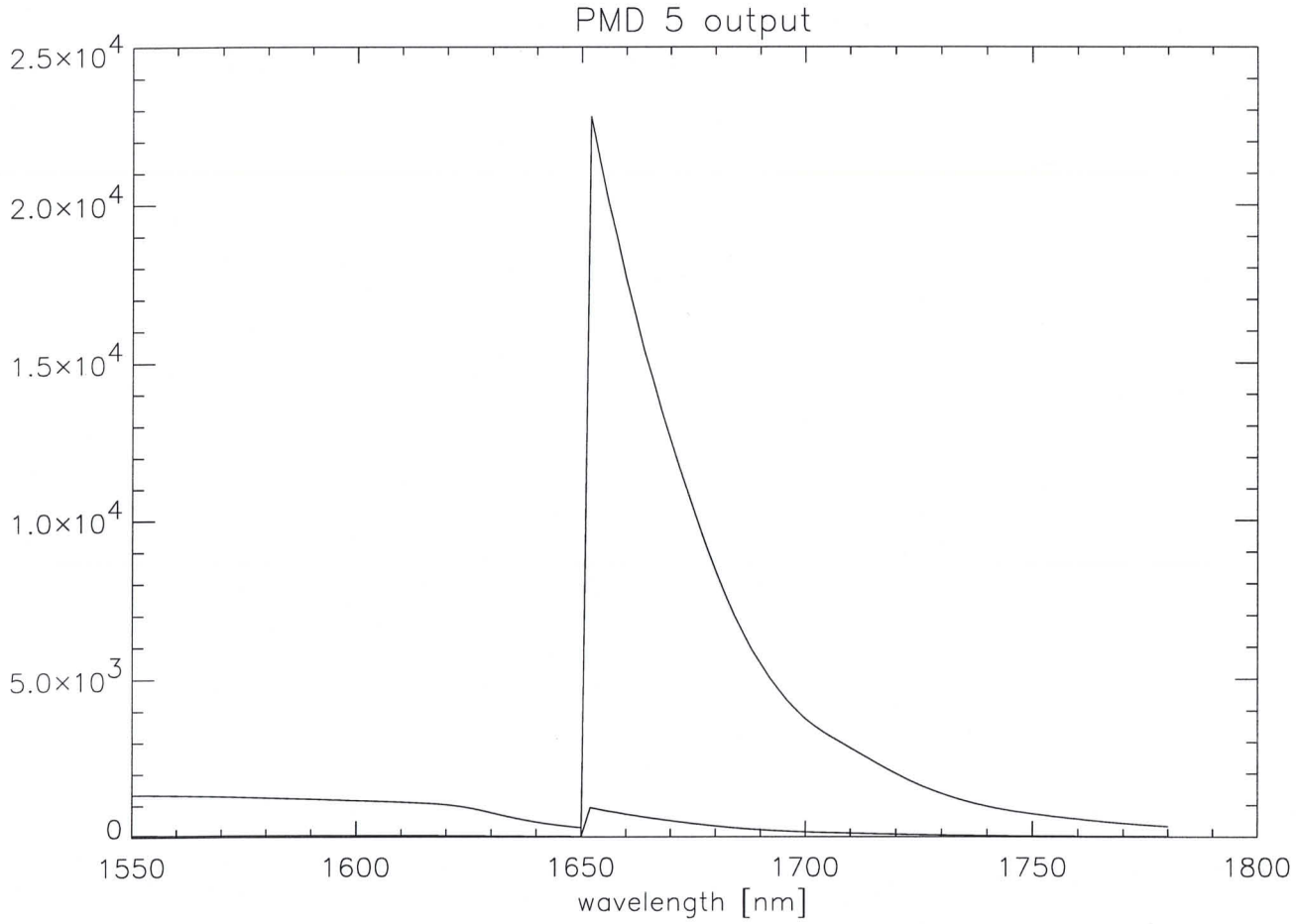
```
1550 1664 scia_24081998_051712727.egse_ltf.du1.avg.cal
1665 1780 scia_24081998_051712727.egse_ltf.du2.avg.cal
```

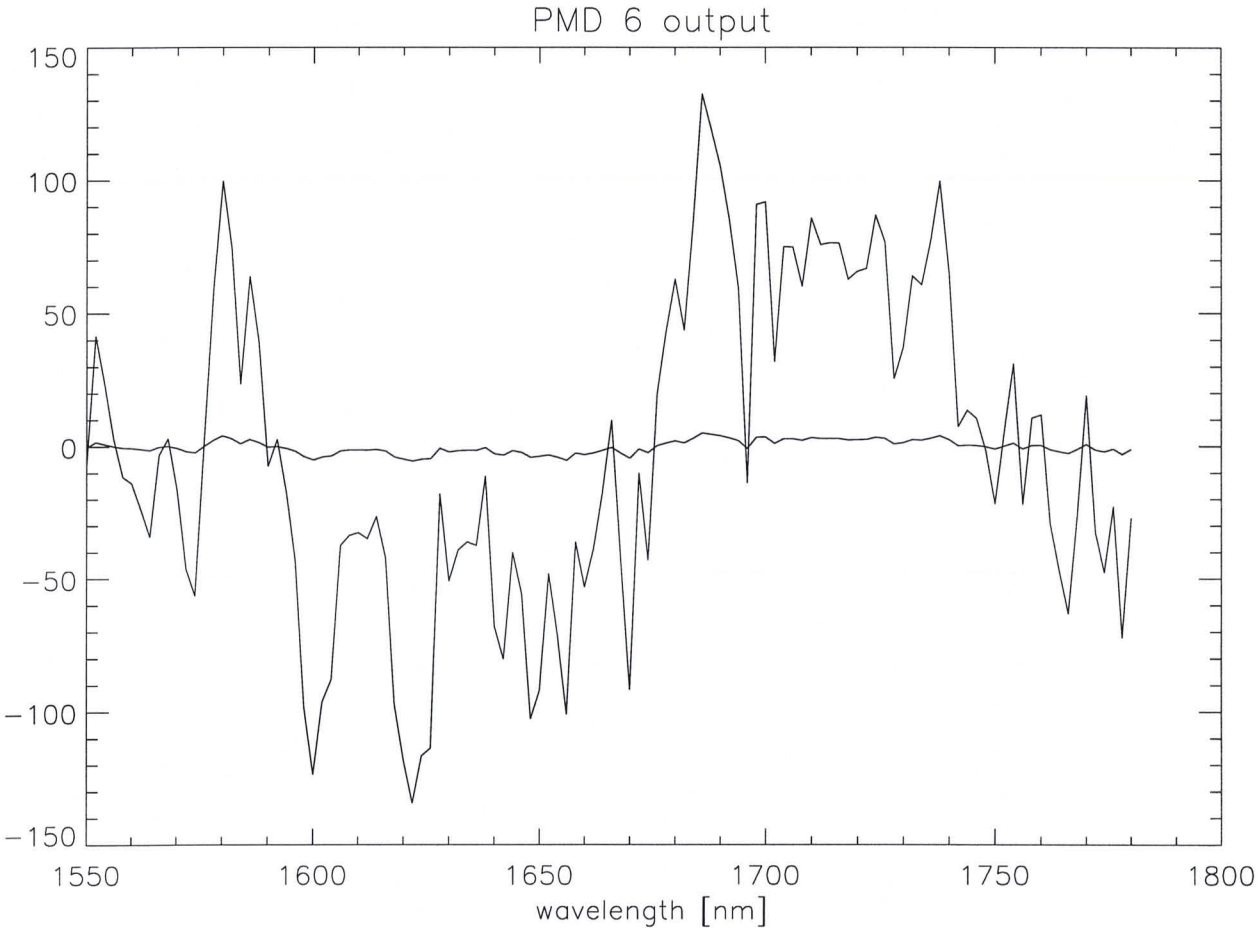

PMD 1 output
0.20
0.10
0.00
−0.10
−0.20
−0.30
−0.40
1550
1600
1650
1700
1750
1800
wavelength [nm]

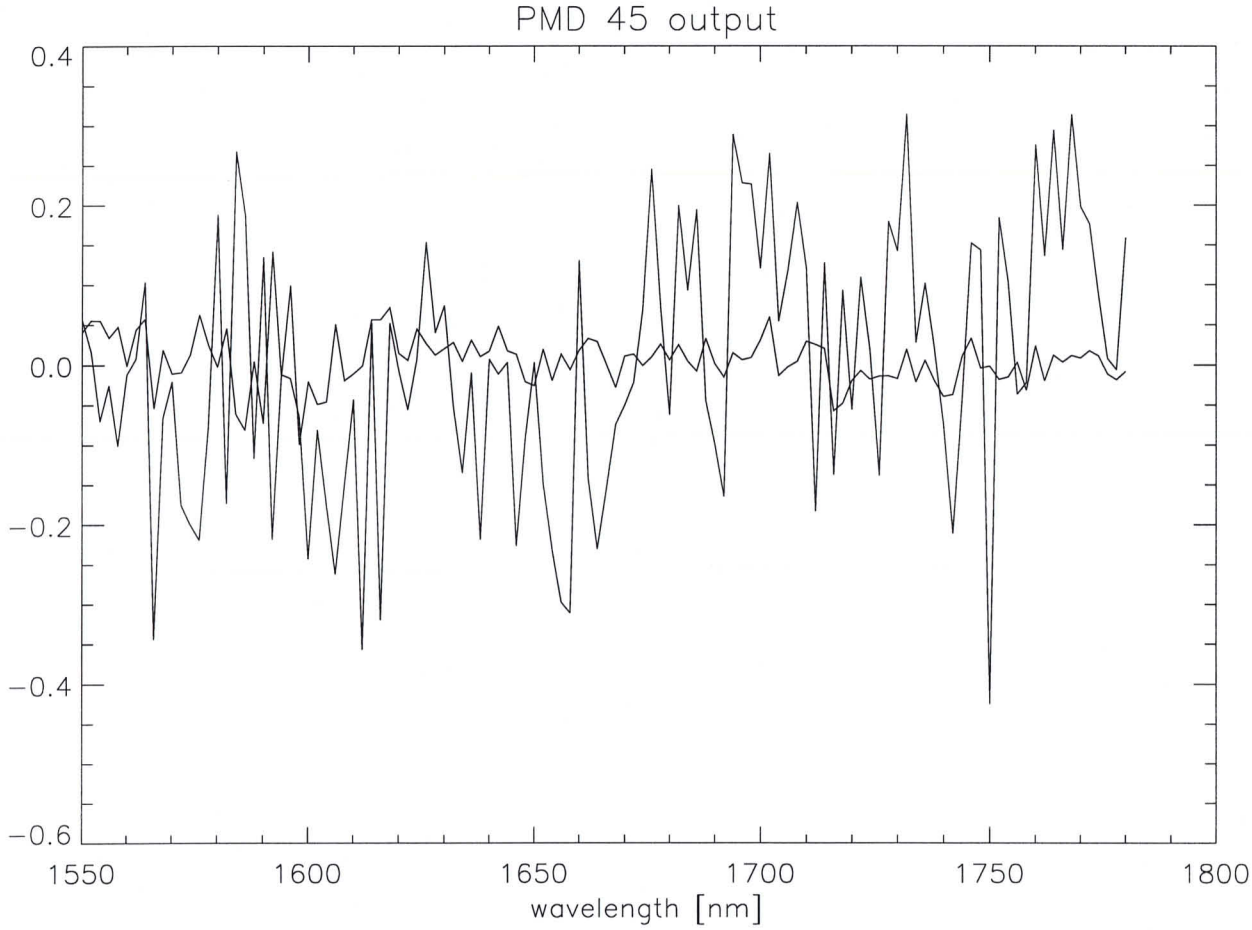

PMD 2 output
0.2
0.1
0.0
−0.1
−0.2
−0.3
1550
1600
1650
1700
1750
1800
wavelength [nm]

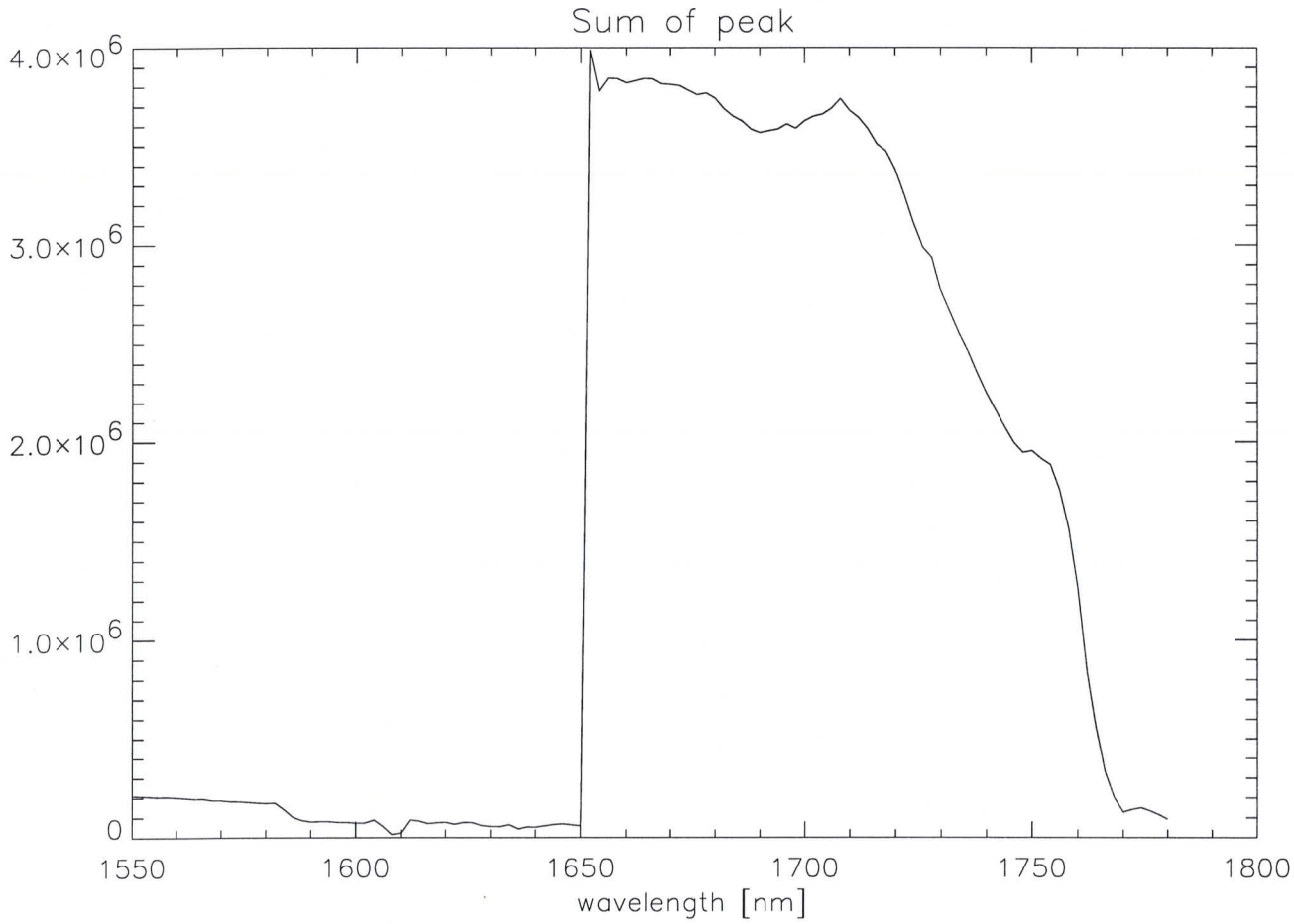

PMD 3 output
0.2
0.0
−0.2
−0.4
−0.6
1550
1600
1650
1700
1750
1800
wavelength [nm]

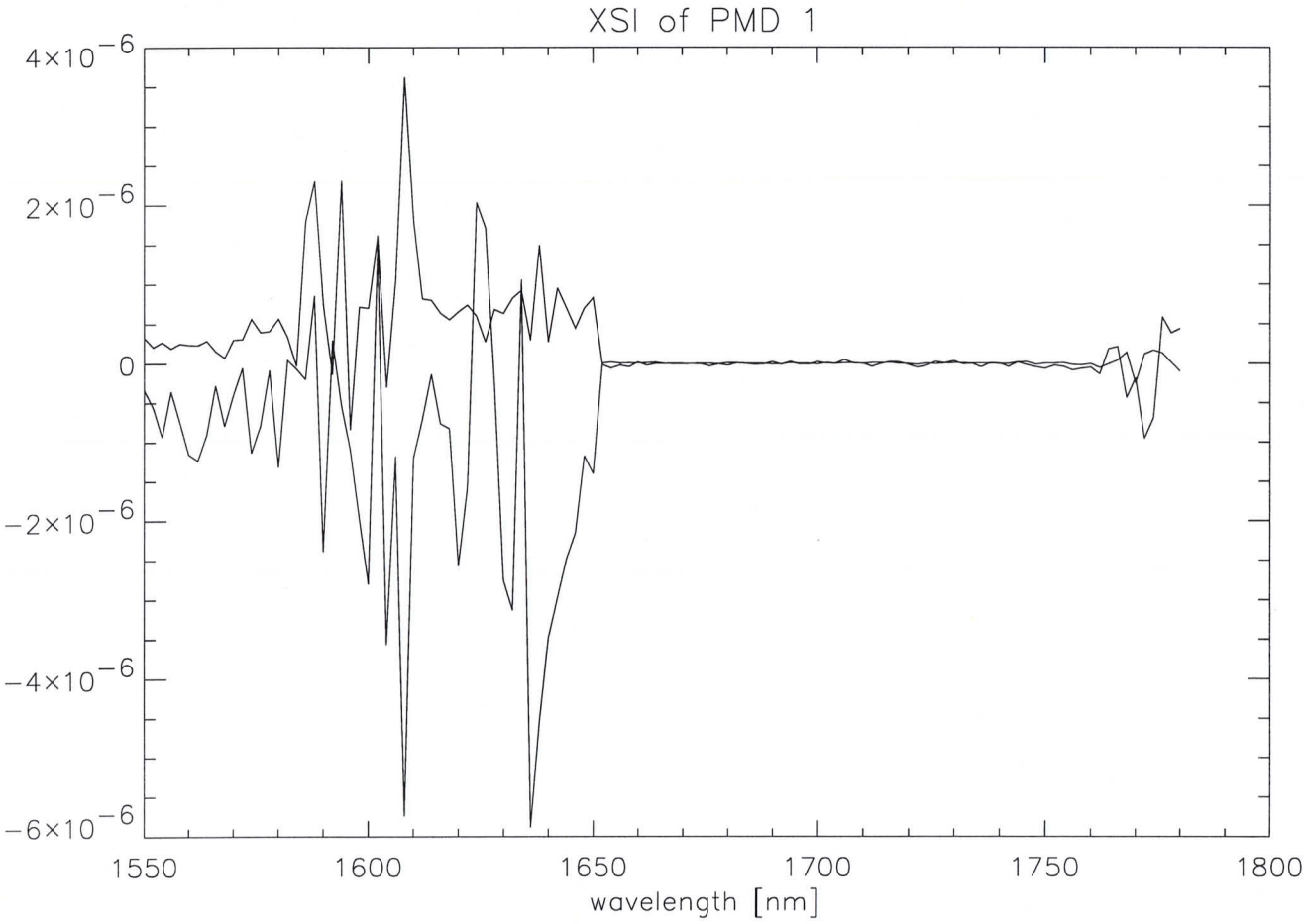

PMD 4 output
0.2
0.1
0.0
−0.1
−0.2
1550
1600
1650
1700
1750
1800
wavelength [nm]

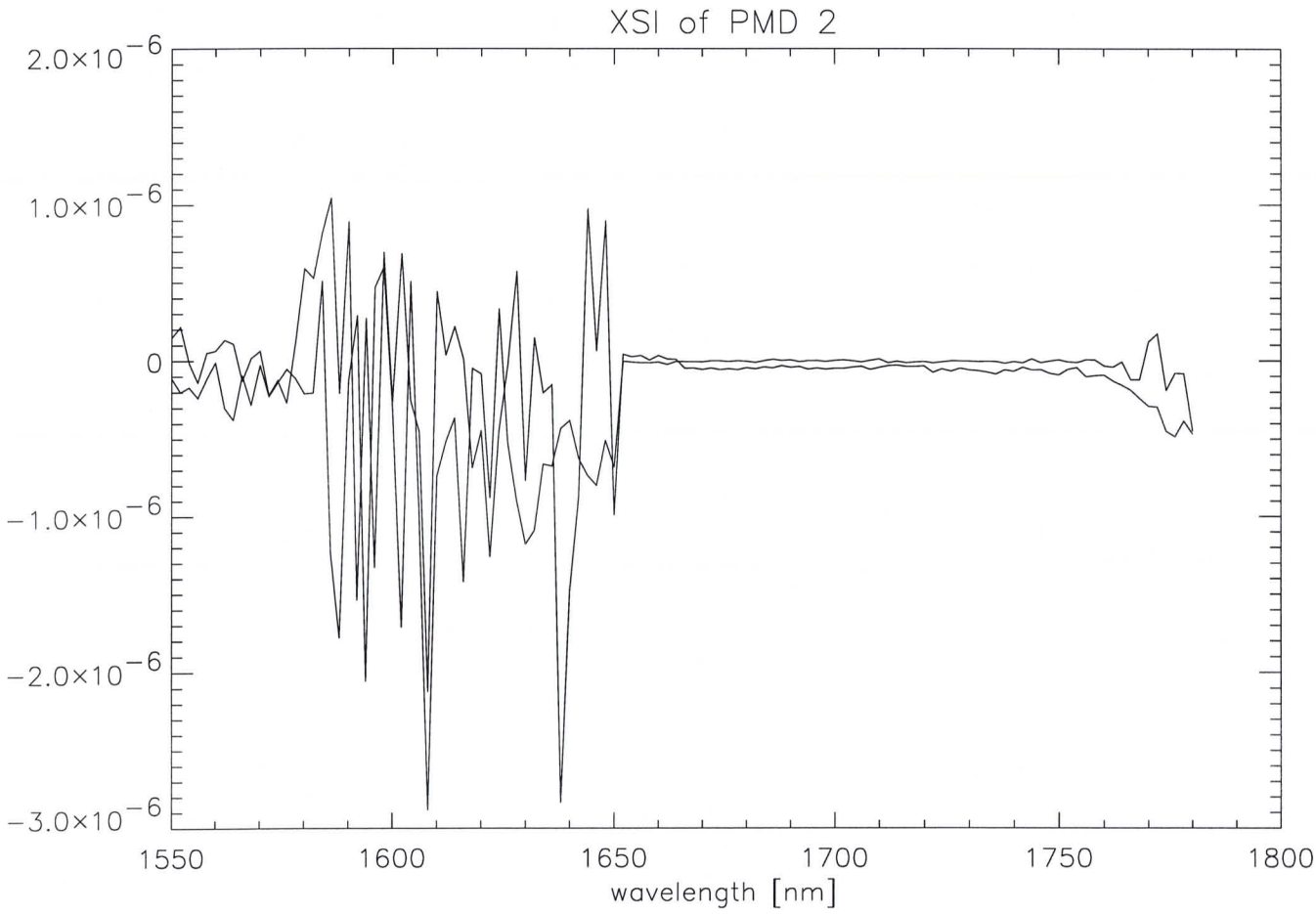

PMD 5 output
2.5×10^4
2.0×10^4
1.5×10^4
1.0×10^4
5.0×10^3
0
1550
1600
1650
1700
1750
1800
wavelength [nm]

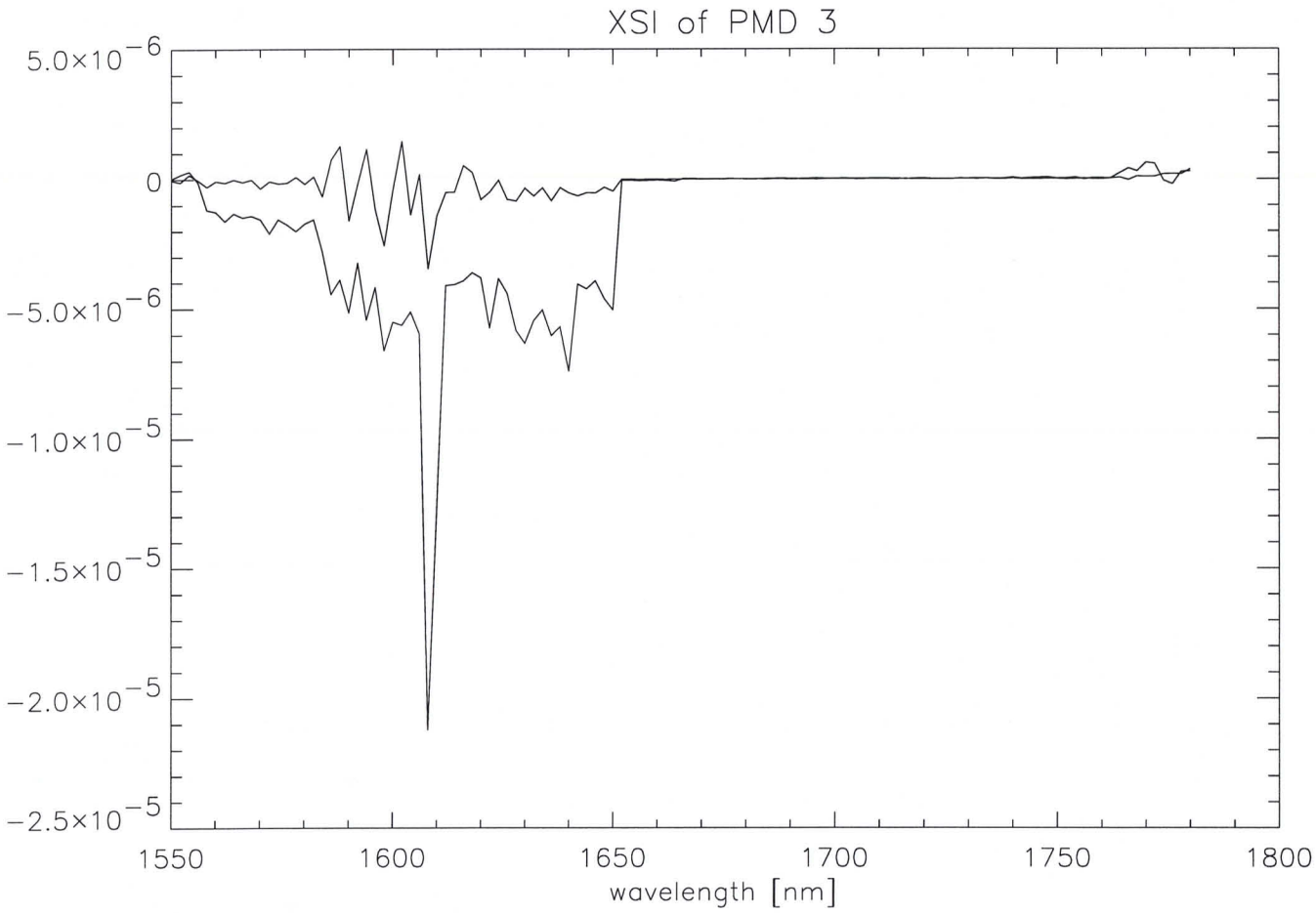

PMD 6 output
150
100
50
0
−50
−100
−150
1550
1600
1650
1700
1750
1800
wavelength [nm]

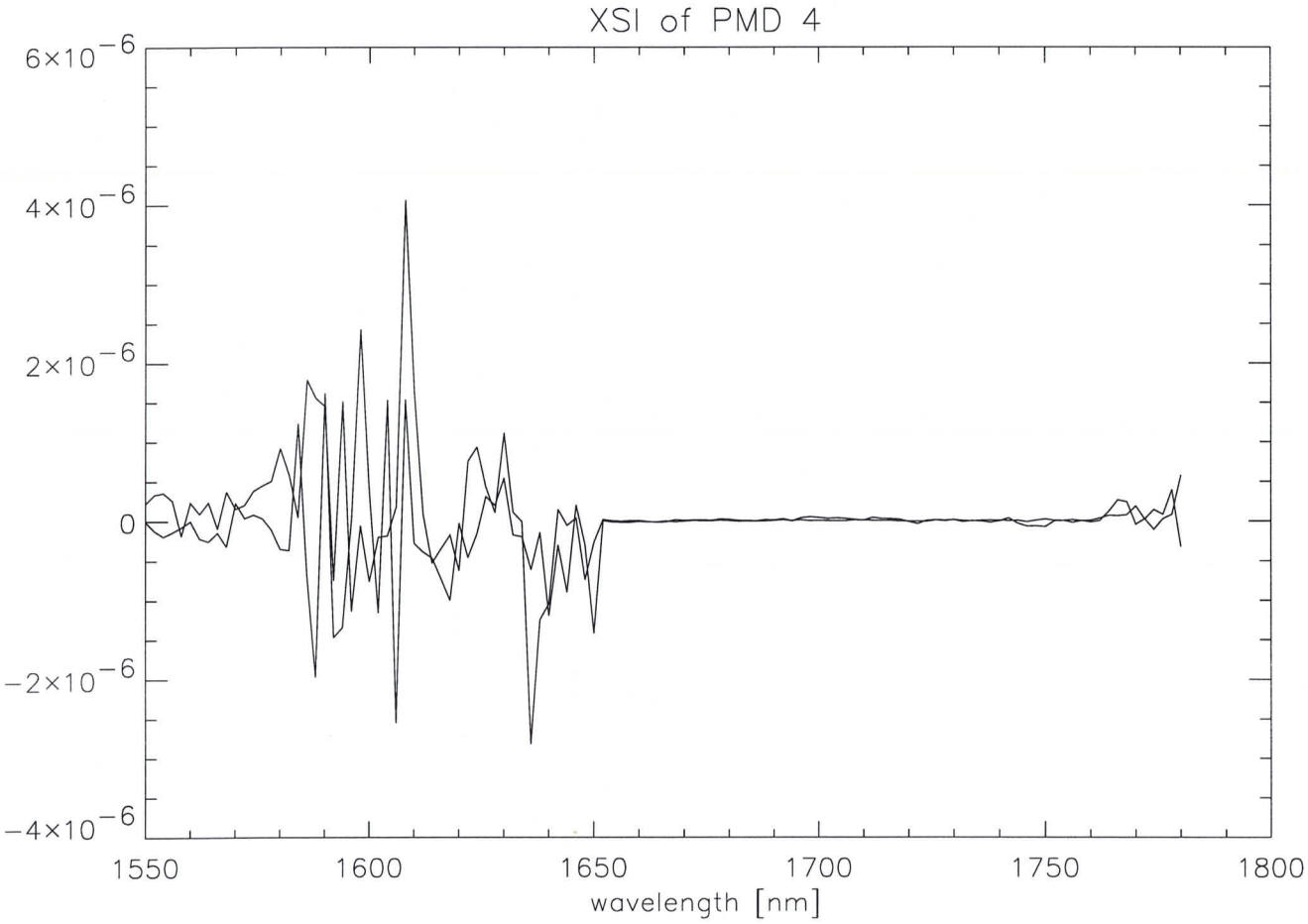

PMD 45 output
0.4
0.2
0.0
−0.2
−0.4
−0.6
1550
1600
1650
1700
1750
1800
wavelength [nm]

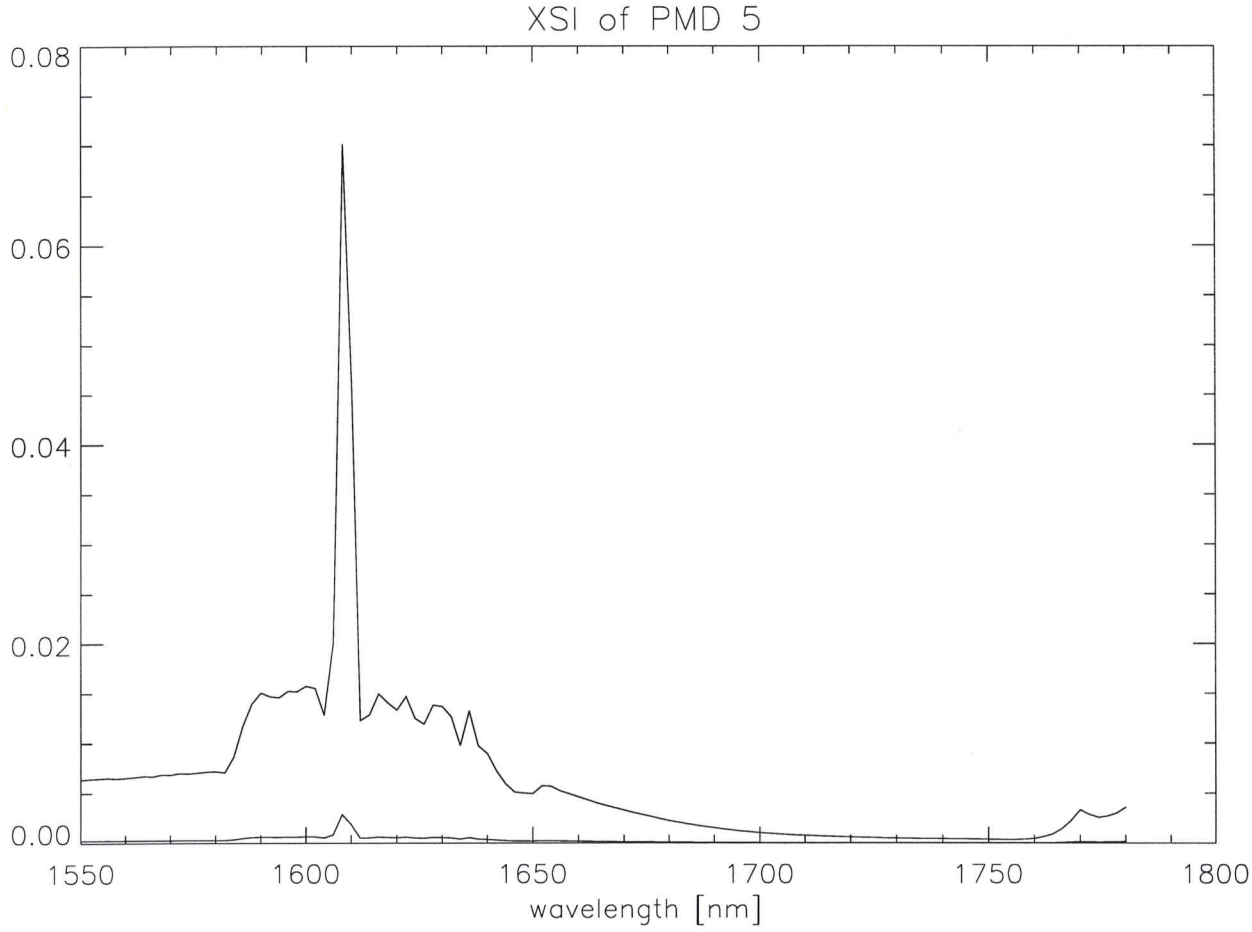

Sum of peak
4.0×10^6
3.0×10^6
2.0×10^6
1.0×10^6
0
1550
1600
1650
1700
1750
1800
wavelength [nm]

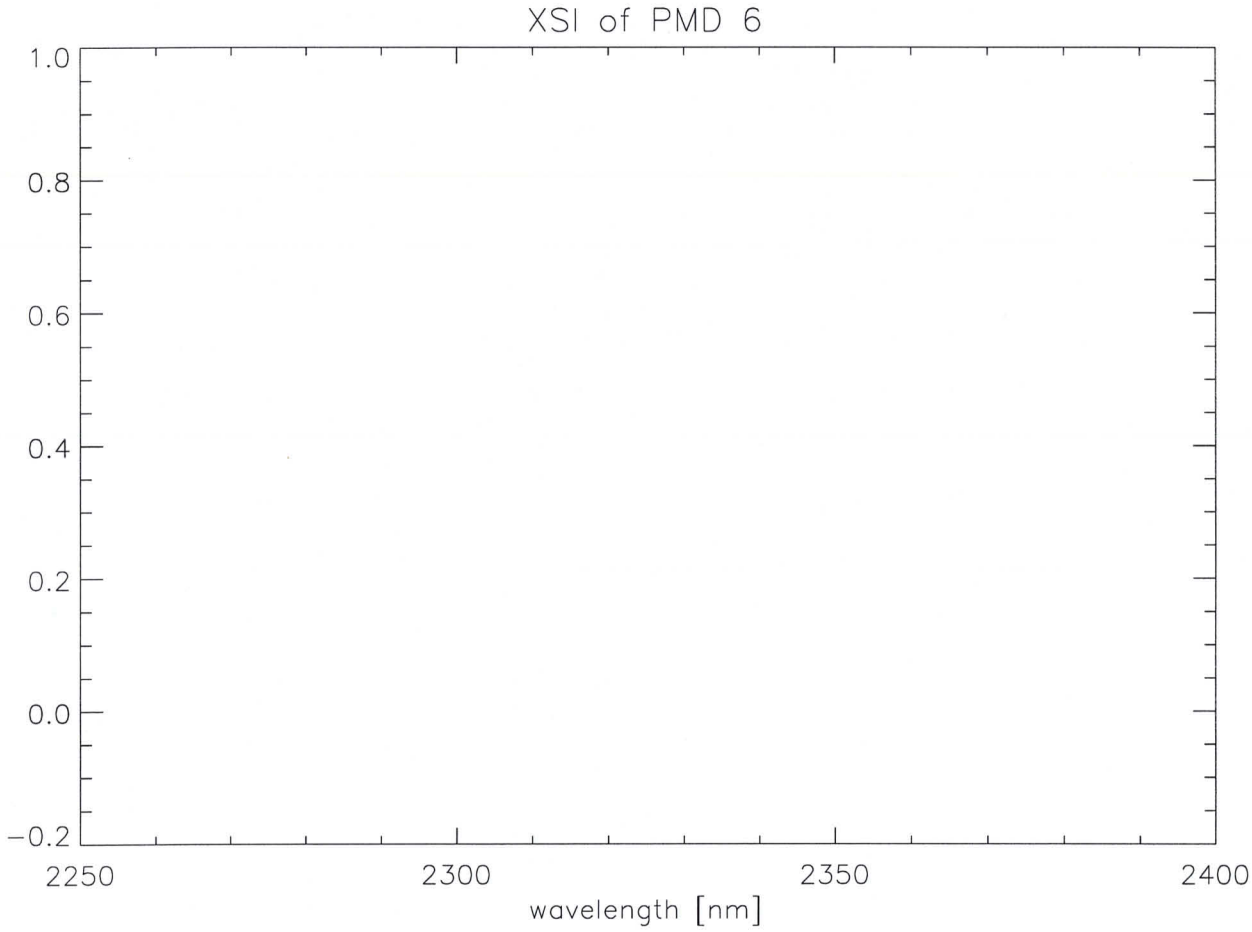

XSI of PMD 1
4×10⁻⁶
2×10⁻⁶
0
−2×10⁻⁶
−4×10⁻⁶
−6×10⁻⁶
1550
1600
1650
1700
1750
1800
wavelength [nm]

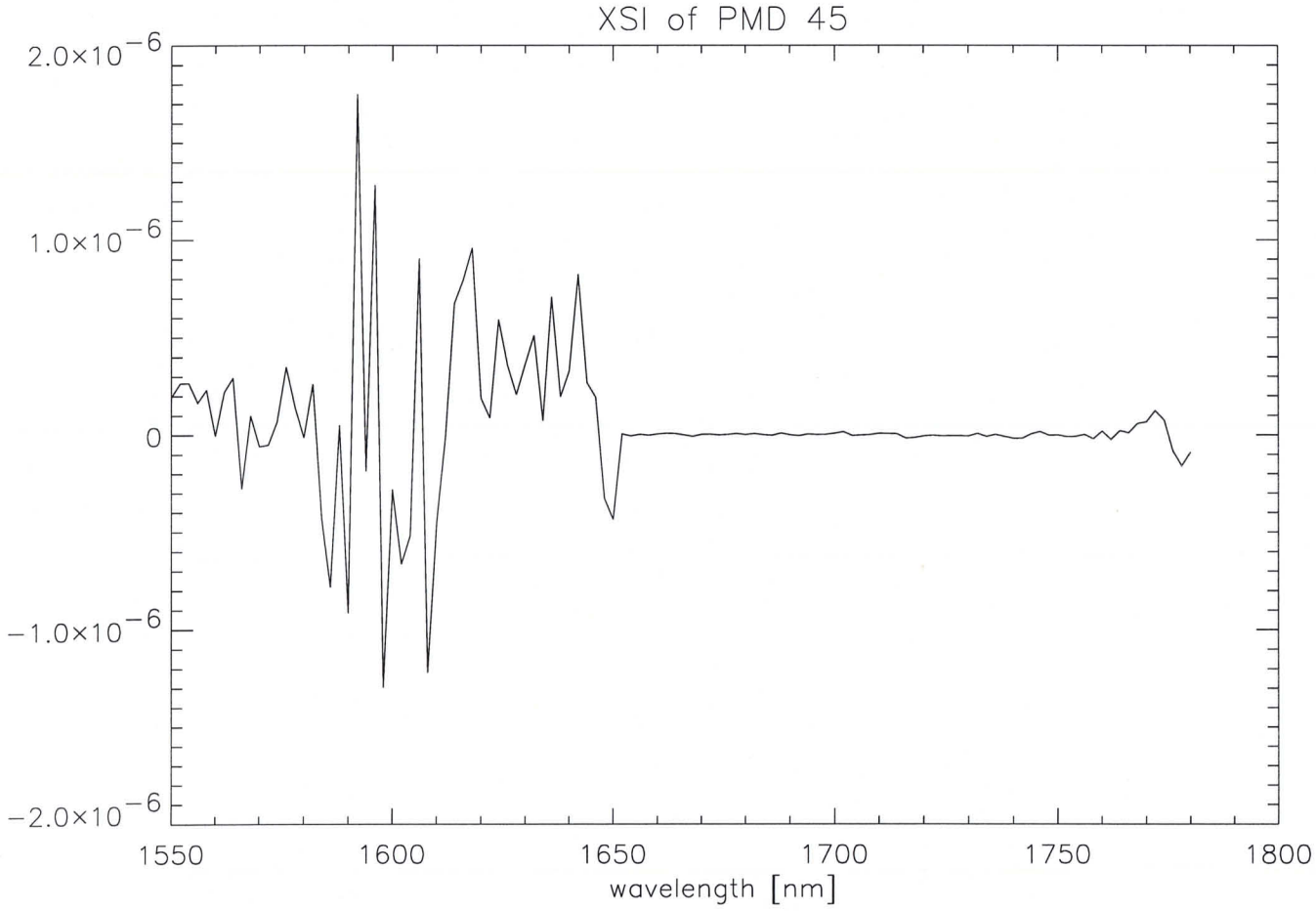

XSI of PMD 2
2.0×10−6
1.0×10−6
0
−1.0×10−6
−2.0×10−6
−3.0×10−6
1550
1600
1650
1700
1750
1800
wavelength [nm]


XSI of PMD 3
5.0×10−6
0
−5.0×10−6
−1.0×10−5
−1.5×10−5
−2.0×10−5
−2.5×10−5
1550
1600
1650
1700
1750
1800
wavelength [nm]


XSI of PMD 4
6×10−6
4×10−6
2×10−6
0
−2×10−6
−4×10−6
1550
1600
1650
1700
1750
1800
wavelength [nm]


XSI of PMD 5
0.08
0.06
0.04
0.02
0.00
1550
1600
1650
1700
1750
1800
wavelength [nm]


XSI of PMD 6
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
2250
2300
2350
2400
wavelength [nm]


XSI of PMD 45
2.0×10−6
1.0×10−6
0
−1.0×10−6
−2.0×10−6
1550
1600
1650
1700
1750
1800
wavelength [nm]

#####
#####
#####
#####
#####
User: scia6!scia
#####
Title: scia_24081998_051712727.egse_ltf.du1.avg.p1.cal.data.log
#####
scia6
#####
Printed: Mon 14:16 Aug 24, 1998
#####
Job number: hp6mp-584
#####
#####
#####
#####
#####

```
Version:  0.1
Input files:  /disk1/scia/DATA-DIR/XSI-VisIR-IV/2/control-file
 scia_24081998_051712727.egse_ltf.du1.avg.cal
 scia_24081998_051712727.egse_ltf.du2.avg.cal
 /disk1/scia/DATA-DIR/XSI-VisIR-IV/2/scia_24081998_051712727.egse_ltf.mp1550.a
 /disk1/scia/DATA-DIR/XSI-VisIR-IV/2/scia_24081998_051712727.egse_ltf.mp1552.a
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Processing:
Computation of XSI
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/latest/ppg.cal
ETALON correction filename used: /disk1/scia/DATA-DIR/CORR/latest/etalon.cal
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/wl.data
STRAYLIGHT correction filename used: /disk1/scia/DATA-DIR/CORR/latest/stray.da
Processing time: Mon Aug 24 14:14:49 1998

Output file name:
/disk1/scia/DATA-DIR/XSI-VisIR-IV/2/scia_24081998_051712727.egse_ltf.du1.avg.p

LOG SHEET SCHIAMACHY CALIBRATION

Date/Time	Description of action	Measurement directory
24-8	Test X1-8 in X1-1R-I/1 measured with wrong condensor in X1-1R-I/2 measurement crashed at finishing data could not be retrieved in X1-1R-1/3 third testrun with PET_y : 0.25 sec maximum signal $\approx 2 * 10^4$ after subtraction of dark signal keep margin $\Rightarrow$ 0.25 sec for formal run	

Formal Run of Measurement

(Measurement ID) X1-8

Request for Actual Status	X	(cross out entries that are **not** requested.)
Request for Modification		(fill in only entries to be modified)
Request for Run	X	(no entries = run based on actual default settings)

Scanner Positions

TEST Run

Azimuth	+45	deg
Elevation	-45	deg

Timeline for each Data Acquisition Period during Measurement

	1	2	3	4	5	6	7	8	9	10
State ID	24									
Repetitions	1									

change

State Parameters for States used in Timeline (State ID must be given)

Channel	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding
1a	64	1						
1b	64	1						
2b	64	1						
2a	64	1						
3	64	1						
4	64	1						
5	64	1						
6	1	64						
7	0.0625	64						
8	1	64						
State ID								

0.0625

change

Stimuli Settings for Existing Blocks in Measurement

Block No	Stimuli Setup ID	PPC [deg]	Polarizer [deg]	Shutter open/close	Acquisition Time [s]	Lambda [nm] Start	Stop	Step	Repetition Factor	Message	OS Setup Time [s]
1	1	0	85,4	close	1	1920	1920	0	1	DU1	50
2	1	0	85,4	open	1	1920	1920	0	1	MP-	8
3	1	0	85,4	open	1	1940	2020	20	1	MP+	3
4	1	0	85,4	close	1	2020	2020	0	1	DU2	8

change

Measurement Data Description

Test Purpose	X51-8
Remark	find prop PETs d7
Data Directory	0236_09.21-38_X1-8

Signatures

	Date	Signature
Issued	24/8	
< Performed	24-8	

Formal Run of Measurement

(Measurement ID) Xi - 8

Request for Actual Status		(cross out entries that are **not** requested.)
Request for Modification		(fill in only entries to be modified)
Request for Run	X	(no entries = run based on actual default settings)

Scanner Positions

Azimuth	+45	deg
Elevation	-45	deg

Timeline for each Data Acquisition Period during Measurement

	1	2	3	4	5	6	7	8	9	10
State ID	24									
Repetitions	1									

State Parameters for States used in Timeline (State ID must be given)

Test

Channel	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding
1a	64	1						
1b	64	1						
2b	64	1						
2a	64	1						
3	64	1						
4	64	1						
5	64	1						
6	16	4						
7	0,25	64						
8	2	32						
State ID								

Stimuli Settings for Existing Blocks in Measurement

Block No	Stimuli Setup ID	PPC [deg]	Polarizer [deg]	Shutter open/close	Acquisition Time [s]	Lambda [nm] Start	Stop	Step	Repetition Factor	Message	OS Setup Time [s]
1	1	0	85,4	close	1	1920	1920	0	2	DLL	50
2	1	0	85,4	open	1	1920	1920	0	1	Mpw	8
3	1	0	85,4	open	1	1940	2020	20	1	Mpw	3
4	1	0	85,4	close	1	2020	2020	0	2	DLL	8

Measurement Data Description

Test Purpose	Xsi 8
Remark	
Data Directory	0236_13.25.56_X1-8

Signatures

	Date	Signature
Issued	24/8	M. Stopp
< Performed	24.8.98	A. Ruh

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	Wendell Lynch 24-08-98	
	Setup a three-window configuration on your SUN.		See course descr.
	Let <F1> be a data file containing a XSI-VisIR `*.data` file (E.g., `~/DATA-DIR/XSI-VisIR-I/<number1>/<abc>.data`) Full path name of <F1>	XSI-VisIR/I/1/scia_22081998_225707359. eqse_ltf.dat.avg.Pl.cal.data	(F1)
	Let <F2> be a data file containing a XSI-VisIR `*.data` file (E.g., `~/DATA-DIR/XSI-VisIR-II/<number2>/<abc>.data`) Full path name of <F2>	XSI-VisIR/II/3/scia_23081998_102405083. eqse_ltf.dat.avg.Pl.cal.data	(F2)
	Let <F3> be a data file containing a XSI-VisIR `*.data` file (E.g., `~/DATA-DIR/XSI-VisIR-III/<number3>/<abc>.data`) Full path name of <F3>	XSI-VisIR/III/2/scia_23081998_20103087a. eqse_ltf.dat.avg.Pl.cal.data	(F3)
Combine	`idl do_xsi_combine_3`		In IDL window
Inspect	`ls -l <F1>.combined.data` Size of `<F1>.combined.data`?	250274	In DATA-DIR window
Print logfiles	lpr -P<printer> *.data.log Add logfiles to logbook, done	(Y) / N	

Sign:	Name	Wendell Lynch
	Date and time	24-08-98
	Signature	

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.du1.avg.p1
 and

/disk1/scia/DATA-DIR/XSI-VisIR-II/3/scia_23081998_102405083.egse_ltf.du1.avg.p
 and

/disk1/scia/DATA-DIR/XSI-VisIR-III/2/scia_23081998_201038870.egse_ltf.du1.avg.
Action: Combined (simple concatenation)
Processing time: Mon Aug 24 17:09:16 1998
Output file name:
/disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.du1.avg.p1
```

```
Version:  0.1
Input files:  /disk1/scia/DATA-DIR/XSI-VisIR-I/1/control-file
 scia_22081998_225707359.egse_ltf.du1.avg.cal
 scia_22081998_225707359.egse_ltf.du2.avg.cal
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp550.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp552.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp554.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp556.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp558.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp560.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp562.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp564.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp566.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp568.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp570.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp572.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp574.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp576.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp578.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp580.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp582.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp584.avg
   lisk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp586.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp588.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp590.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp592.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp594.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp596.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp598.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp600.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp602.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp604.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp606.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp608.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp610.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp612.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp614.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp616.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp618.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp620.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp622.avg
   isk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp624.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp626.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp628.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp630.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp632.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp634.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp636.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp638.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp640.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp642.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp644.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp646.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp648.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp650.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp652.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp654.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp656.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp658.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp660.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp662.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp664.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp666.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp668.avg
```

/disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp670.avg
/disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp672.avg
/disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp674.avg
/disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp676.avg
/disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp678.avg
/disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp680.avg
/disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp682.avg
/disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp684.avg
/disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp686.avg
/disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp688.avg
/disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp690.avg
/disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp692.avg
/disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp694.avg
/disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp696.avg
/disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp698.avg
/disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp700.avg
/disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp702.avg
/disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp704.avg
/disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp706.avg
/disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp708.avg
/disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.mp710.avg
Processing:
  putation of XSI
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/latest/ppg.cal
ETALON correction filename used: /disk1/scia/DATA-DIR/CORR/latest/etalon.cal
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/wl.data
STRAYLIGHT correction filename used: /disk1/scia/DATA-DIR/CORR/latest/stray.da
Processing time: Sun Aug 23 06:37:16 1998
Output file name:
/disk1/scia/DATA-DIR/XSI-VisIR-I/1/scia_22081998_225707359.egse_ltf.du1.avg.p1

	LOG SHEET SCHIAMACHY CALIBRATION	
Date/Time	Description of action	Measurement directory
	XI-8 In DATA-DIR\XSI-IR-I\4	
	all XI's smaller then 10^{-5} i.e. 0 ~~this~~	
	this is expected as in this wavelenght range, 1920-2010 nm	
	there is no pmd!	

Formal Run of Measurement

(Measurement ID) X1 - 8

Request for Actual Status		(cross out entries that are **not** requested.)
Request for Modification	X	(fill in only entries to be modified)
Request for Run	X	(no entries = run based on actual default settings)

Scanner Positions

Azimuth	+45	deg
Elevation	-45	deg

Timeline for each Data Acquisition Period during Measurement

	1	2	3	4	5	6	7	8	9	10
State ID	24									
Repetitions	1									

State Parameters for States used in Timeline (State ID must be given)

Channel	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding
1a	64	1						
1b	64	1						
2b	64	1						
2a	64	1						
3	64	1						
4	64	1						
5	64	1						
6	16	4						
7	0,25	64						
8	2	32						
State ID								

[redacted]

Step 14-3

Stimuli Settings for Existing Blocks in Measurement

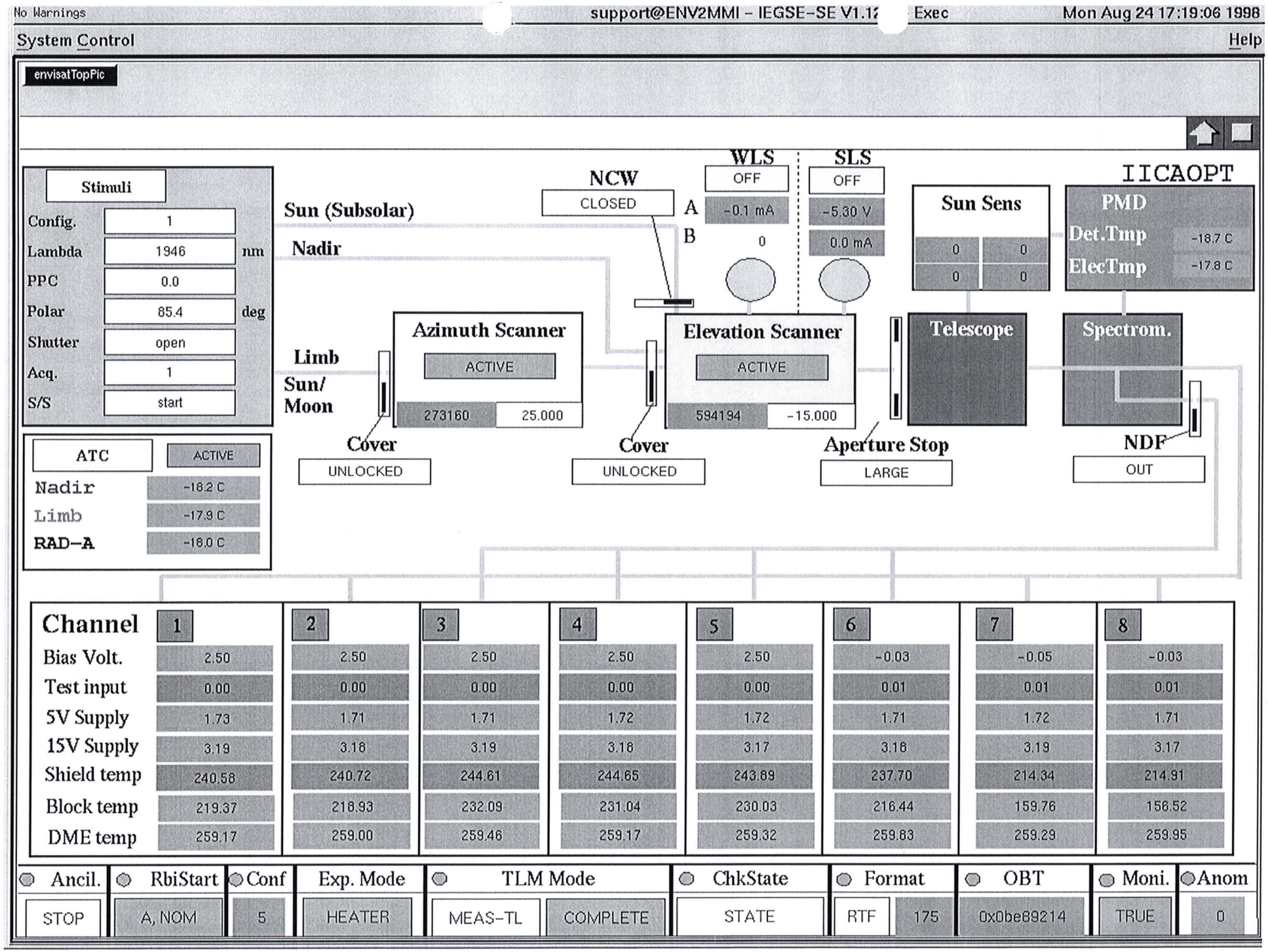
Block No	Stimuli Setup ID	PPC [deg]	Polarizer [deg]	Shutter open/close	Acquisition Time [s]	Lambda [nm] Start	Stop	Step	Repetition Factor	Message	OS Setup Time [s]
1	1	0	85,4	close	1	1920	1920	0	5	DU1	50
2	1	0	85,4	open	1	1920	1920	0	1	MPS	8
3	1	0	85,4	open	1	1922	2010	2	1	MPS	3
4	1	0	85,4	close	1	2010	2010	0	5	DU2	8

Measurement Data Description

Test Purpose	UID 17
Remark	
Data Directory	0236_16.38.48_X1_8

Signatures

	Date	Signature
Issued	24-8	M. Stopp
< Performed	24.8.98	A. Ruh


No Warnings
support@ENV2MMI - IEGSE-SE V1.12
Exec
Mon Aug 24 17:19:06 1998
System Control
Help
envisatTopPic
Stimuli
Config. 1
Lambda 1946 nm
PPC 0.0
Polar 85.4 deg
Shutter open
Acq. 1
S/S start
ATC ACTIVE
Nadir -18.2 C
Limb -17.9 C
RAD-A -18.0 C
Sun (Subsolar)
Nadir
Limb
Sun/
Moon
NCW
CLOSED
WLS
OFF
A -0.1 mA
B 0
SLS
OFF
-5.30 V
0.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -18.7 C
ElecTmp -17.8 C
Azimuth Scanner
ACTIVE
273160 25.000
Elevation Scanner
ACTIVE
594194 -15.000
Telescope
Spectrom.
Cover
UNLOCKED
Cover
UNLOCKED
Aperture Stop
LARGE
NDF
OUT
Channel 1 2 3 4 5 6 7 8
Bias Volt. 2.50 2.50 2.50 2.50 2.50 -0.03 -0.05 -0.03
Test input 0.00 0.00 0.00 0.00 0.00 0.01 0.01 0.01
5V Supply 1.73 1.71 1.71 1.72 1.72 1.71 1.72 1.71
15V Supply 3.19 3.16 3.19 3.16 3.17 3.18 3.19 3.17
Shield temp 240.58 240.72 244.61 244.65 243.89 237.70 214.34 214.91
Block temp 219.37 218.93 232.09 231.04 230.03 216.44 159.76 156.52
DME temp 259.17 259.00 259.46 259.17 259.32 259.83 259.29 259.95
Ancil. STOP
RbiStart A, NOM
Conf 5
Exp. Mode HEATER
TLM Mode MEAS-TL COMPLETE
ChkState STATE
Format RTF 175
OBT 0x0be89214
Moni. TRUE
Anom 0

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	Wendell Lynch 24-08-98	
	What's the name of the (main) data input files generated by the EGSE? `(*.dat)`	xia_24081998-16451764?.dat	(A)
	Setup a three-window configuration on your SUN.		see course descr.

Cnstr directory	`cd ~/DATA-DIR/XSI-IR-I/ ; ls -l`
	highest number in directory?
	New directory: `mkdir <B+1>`
	`ls -l`
	What's now the highest number in directory?
	<C> should be <B> + 1
		3
		
		4
		(Y)/N
			Note: In window DATA-DIR
			(B)
			
			(C)

	directory name is:	`~/DATA-DIR/XSI-IR-I/<C>`	(DIR-NAME)
Copy data	See Analysis sheet: Transfer Data File	(Y)/ N	In DATA-DIR window
Cnstr EGSE_LTF	`cal_raw2ltf .` (Error messages are not necessarily fatal; check with SOLAN --in solan window-- whether output file is okay: there should be a signal present, and `dremark1` labels should be filled) `ls -l *.egse_ltf` What's the name of the egse_ltf file <D> should be <A>.egse_ltf	xia-24081998-16451764?.egse-ltf (Y)/N	Note: In window DATA-DIR; ***don't forget the dot !!!;*** *May take more than 15 mins.* (D)
Cnstr CAL files	`idl run_fastaverscia` (and select file <D> when asked)		Note: In window IDL
Check CAL files	Dark files: `ls -l *du*.cal` size: Monochromator ouput:	du1 du2 9	In DATA-DIR Window should be approx 150Kb

`ls -l *mp<lambda>*.avg.cal` (where lambda is a wavelength indicator)

size: 145.498 B — should be approx 150Kb
lambda ranges from: 1920 to 2010
to:
Note: all files should be present, if not:

(a) Check file <D> using SOLAN and check whether `dremark1` labels are present.
(b) Check if enough disk space is available (Unix command `df -k | more`).

Print postscript

Pick a *.mp<lambda>.avg.cal file.
`lpr -P<printer> *.avg.cal.ps`
Contents dark file `*du.avg.cal.ps` should be approx. constant within channels: (Y) / N
Contents of a file *mp<lambda>.avg.cal.ps should contain a peak signal in corresponding channel (cannot be seen in channels 7 and 8): Y / N
Contents of *mp<lambda>.rel_std.cal.ps files should be smaller than 0.01 (pixel 300 -- 800) for all channels. Y / N
If not, value is:

Add postscript images to logbook, done (Y) / N

Print logfiles

`lpr -P<printer> *.log`
Add logfiles to logbook, done Y / N too many log files.

Xsi processing

Control file

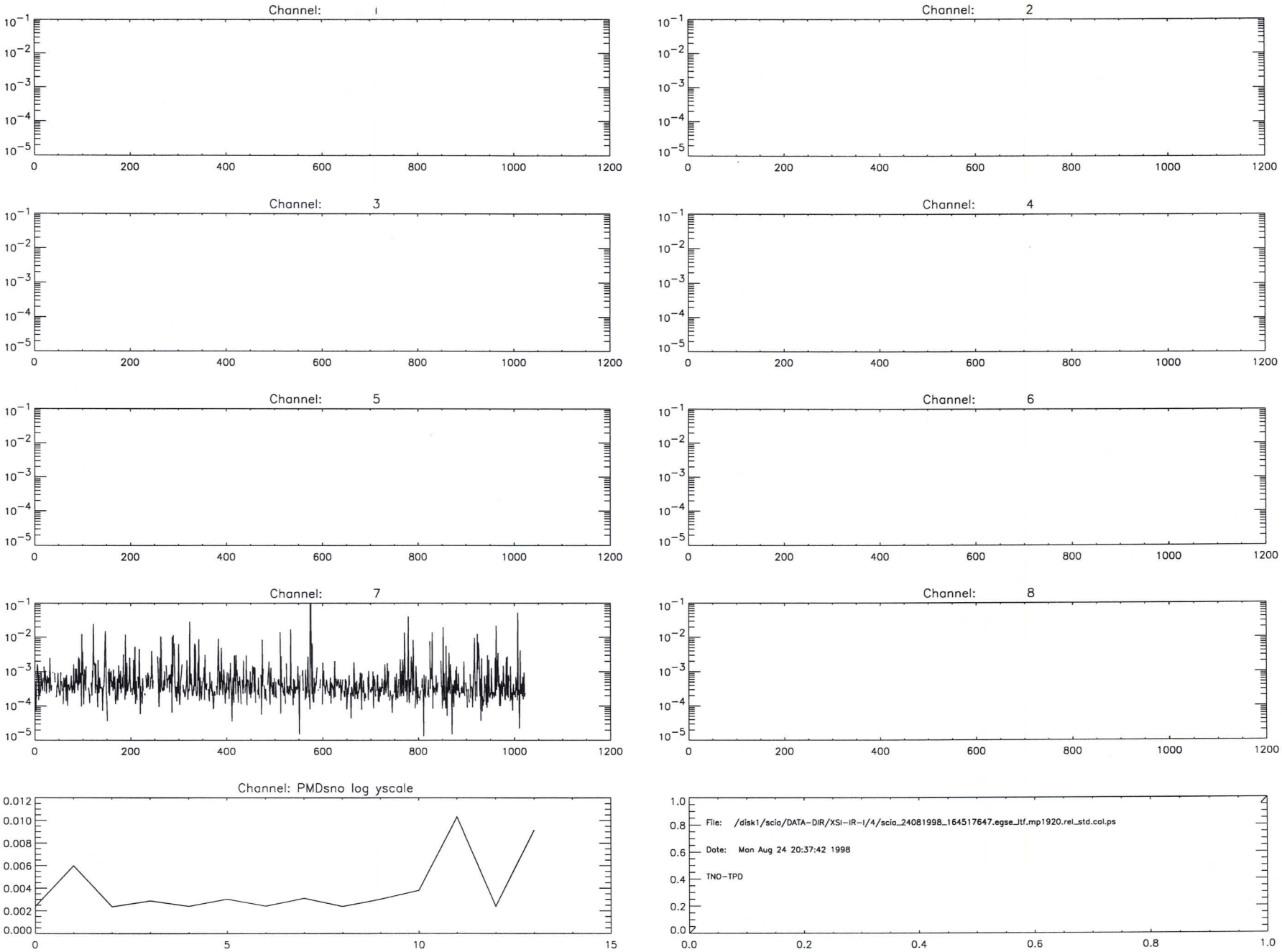
Construct `control-file` in dir. <DIR-NAME> where each line is of the form `<l1> <l2> <darkname>` (meaning that file `<darkname>` is to be used as dark measurement for monochromator outputs with wavelength `M` such that `<l1> <= M <= <l2>`).

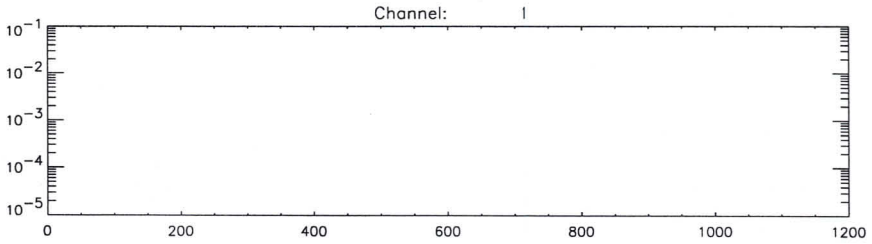
	`lpr -P<printer> <DIR-NAME>/control-file` Add `control-file` to logbook, done	(Y) / N	
Run XSI	`idl do_xsi`		
Check XSI	`ls -l *.data`		In DATA-DIR window
	Size of file `<D>.du*.cal.data`	19918	
Check XSI visually	`idl do_xsi_processing`		In IDL window
	`lpr -P<printer> *.data.ps` Value of XSI resembles expected XSI (see [Predicted PFMcalibration results])?	Y / N	In DATA-DIR window
	Add postscript images to logbook, done	(Y) / N	
Print logfiles	`lpr -P<printer> *.data.log`		
	Add logfiles to logbook, done	(Y) / N	
Back up	Create 3 sets of backup CDs of directory <DIR-NAME> (One CD has a capacity of 600 Mbytes, the UNIX command `/usr/bin/du -k .` gives the number of kilo bytes in the current directory). Name of backup CDs		See analysis sheet BackUp
Sign:	Name Date and time Signature	Wendell Lynch 14-08-98 Tokyo.	

M100 done.

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	Wendell Lynch 24-08-98	
	What's the name of the (main) data input files that you want to store on the SUN named `scia6`?	uit 0236_16.38.48_X1_8 Scia_24081998_16451767.dat (A)	
	Setup a three-window configuration on your SUN.		See course descr.
Do Transfer	Be sure that you are in the directory you want your files in ftp <internet-address>, where you can find the address of the PC in the file `/etc/hosts` (entry: cdwpc). The address will also be next to you on paper (most probably).		In DATA-DIR window
	When asked for user, fill in: `anonymous`, when asked for an email address, fill in your email address on TPD.		In DATA window
	Set in binary: `binary` `mget *` (and return `y` to every file). `bye`		Approx. 140 kB

Sign:	Name	Wendell Lynch
	Date and time	24-08-98
	Signature	


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDsno log yscale
File: /disk1/scia/DATA-DIR/XSI-IR-1/4/scia_24081998_164517647.egse_ltf.mp1920.rel_std.cal.ps
Date: Mon Aug 24 20:37:42 1998
TNO-TPD


Channel: 1
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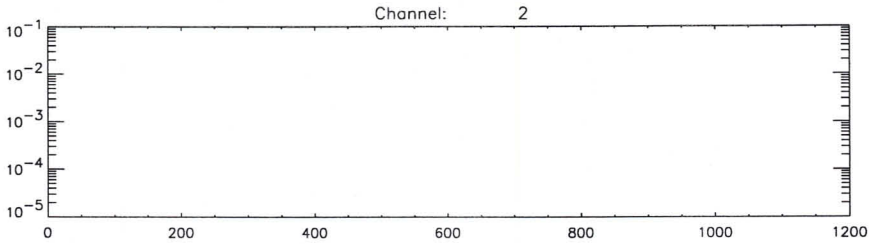
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: 2
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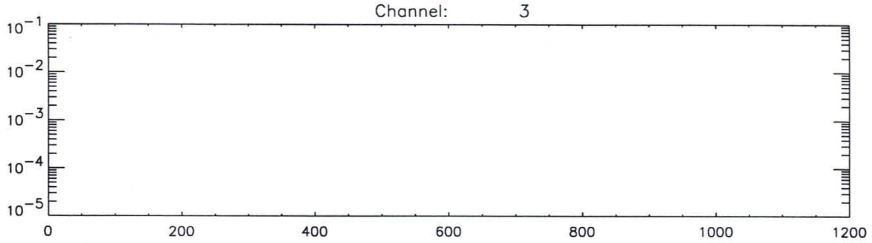
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: 3
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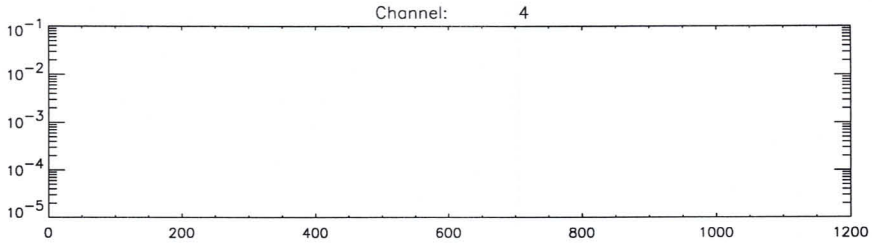
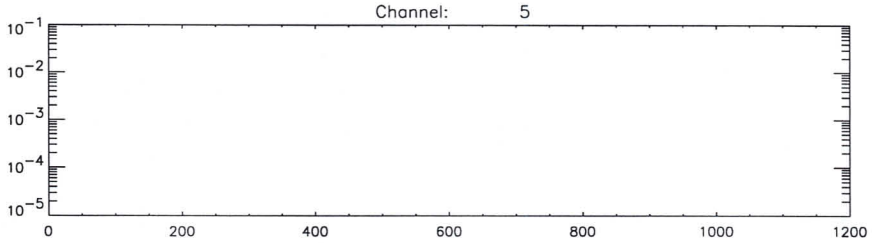
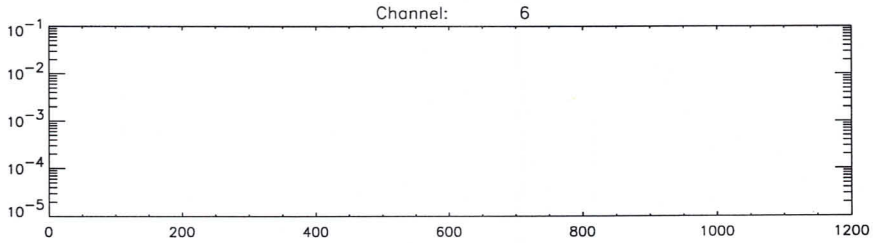
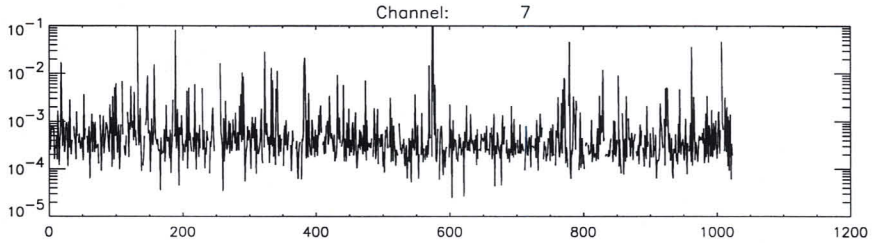
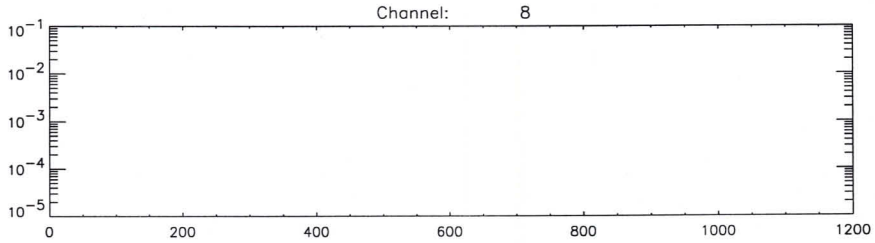
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

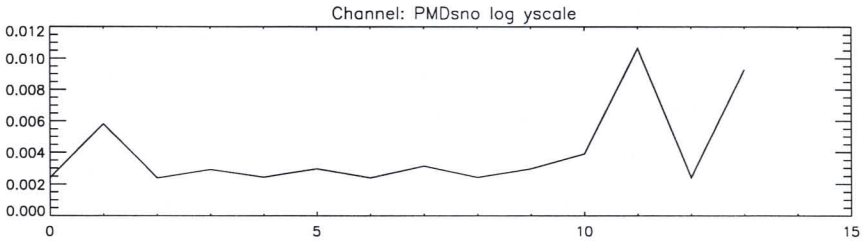

Channel: 4
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

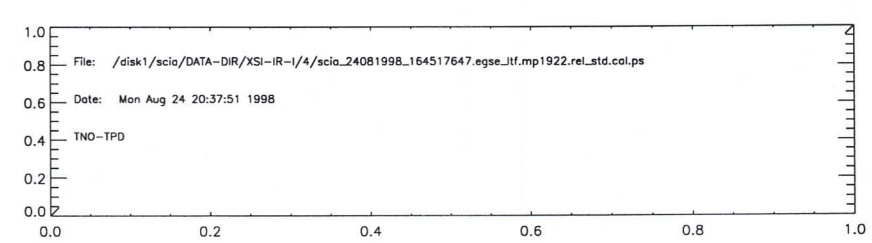

Channel: 5
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

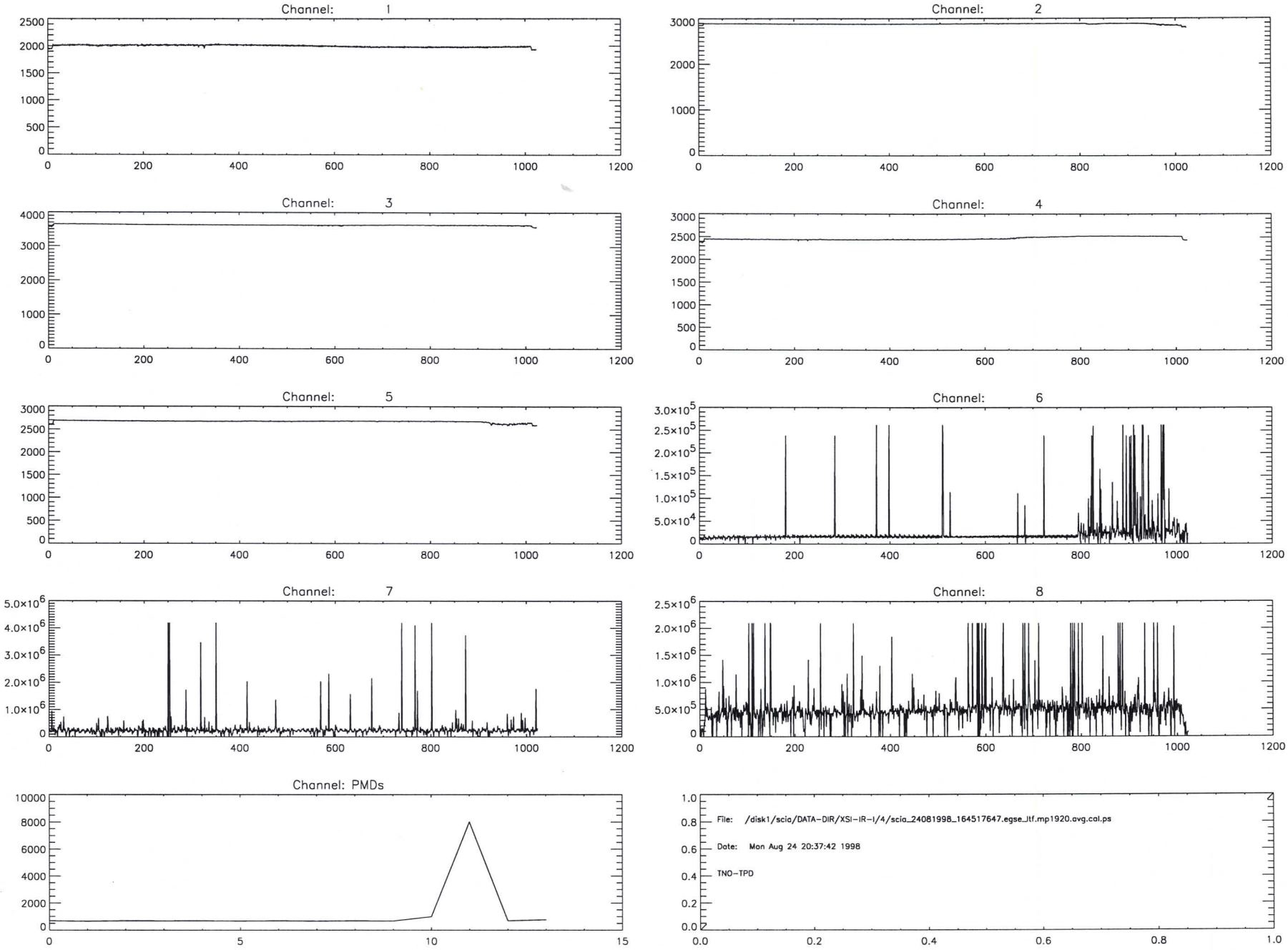

Channel: 6
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

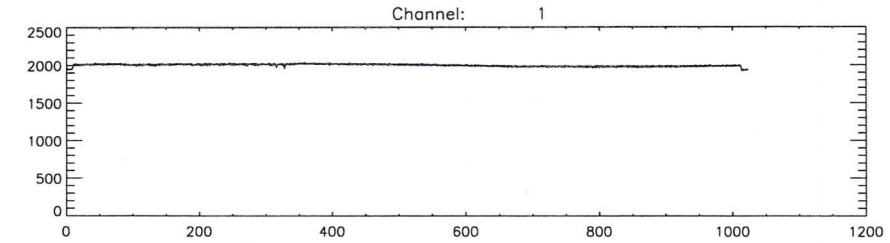

Channel: 7
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

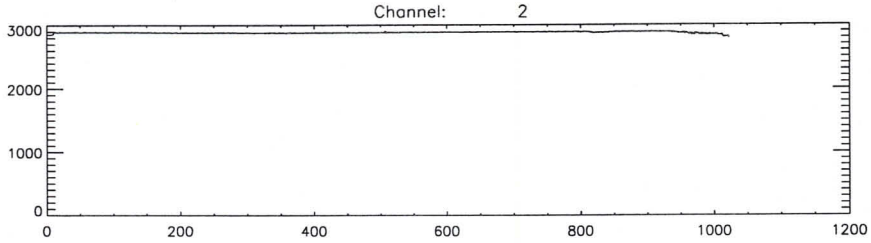

Channel: 8
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

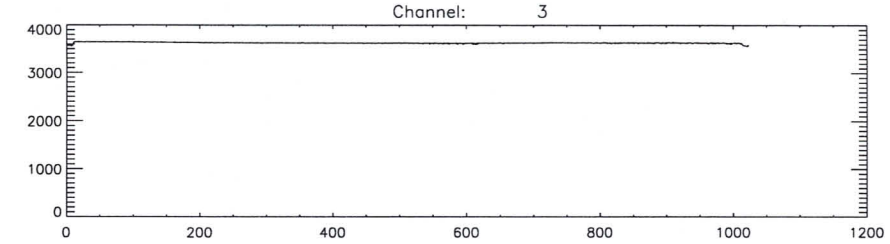

Channel: PMDsno log yscale
0.012
0.010
0.008
0.006
0.004
0.002
0.000
0
5
10
15

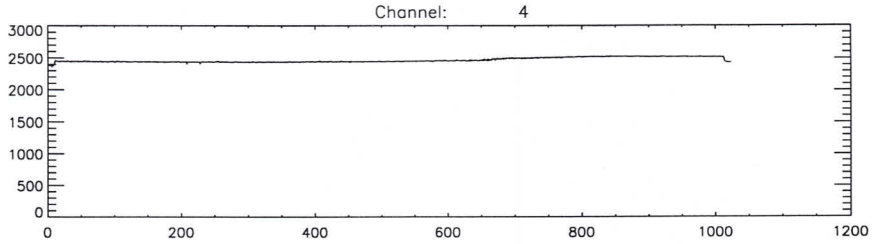

File: /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1922.rel_std.cal.ps
Date: Mon Aug 24 20:37:51 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

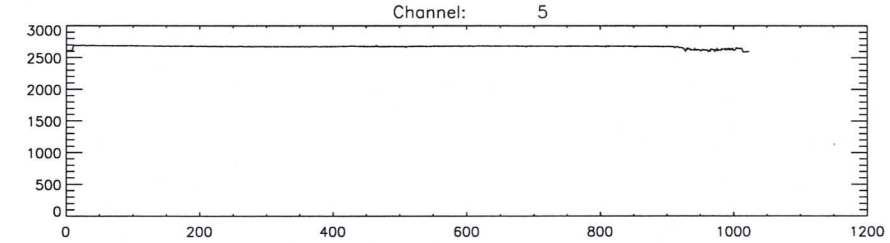

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/XSI-IR-1/4/scia_24081998_164517647.egse_ltf.mp1920.avg.cal.ps
Date: Mon Aug 24 20:37:42 1998
TNO-TPD

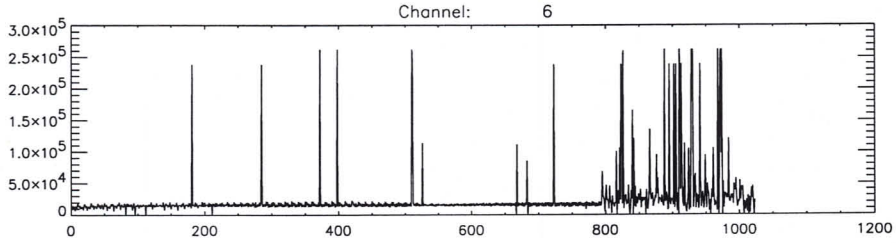

Channel: 1
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200

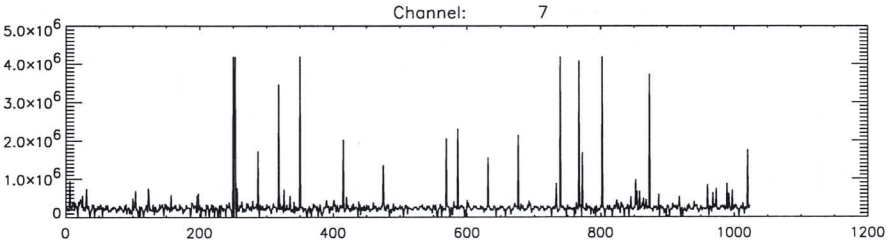

Channel: 2
3000
2000
1000
0
0
200
400
600
800
1000
1200

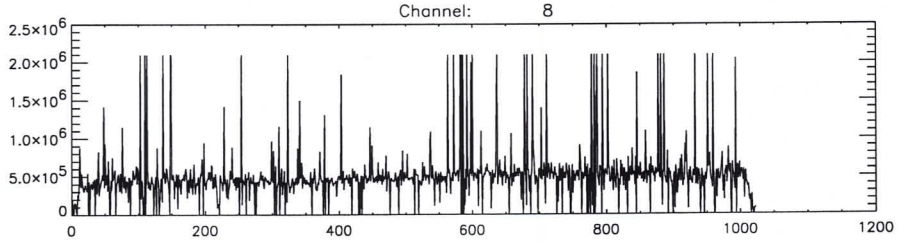

Channel: 3
4000
3000
2000
1000
0
0
200
400
600
800
1000
1200

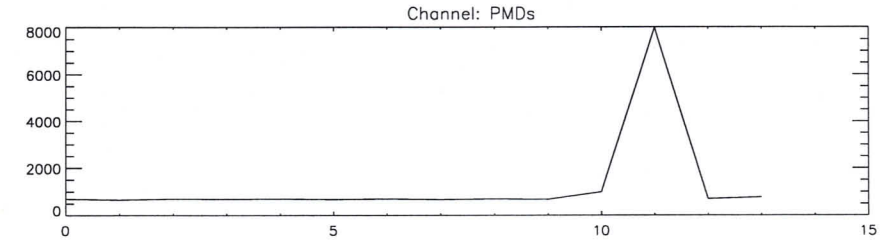

Channel: 4
3000
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200

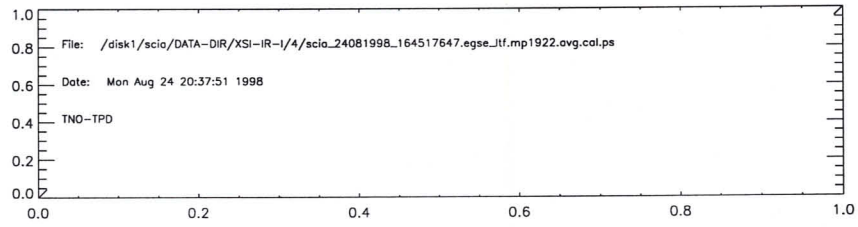

Channel: 5
3000
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200

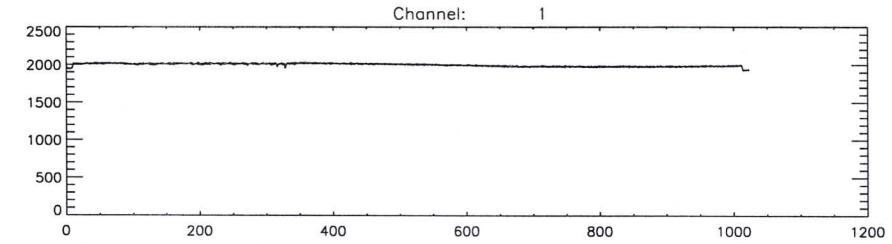

Channel: 6
3.0x10^5
2.5x10^5
2.0x10^5
1.5x10^5
1.0x10^5
5.0x10^4
0
0
200
400
600
800
1000
1200

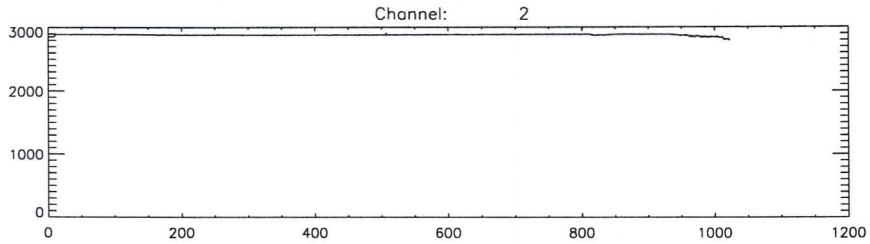

Channel: 7
5.0x10^6
4.0x10^6
3.0x10^6
2.0x10^6
1.0x10^6
0
0
200
400
600
800
1000
1200

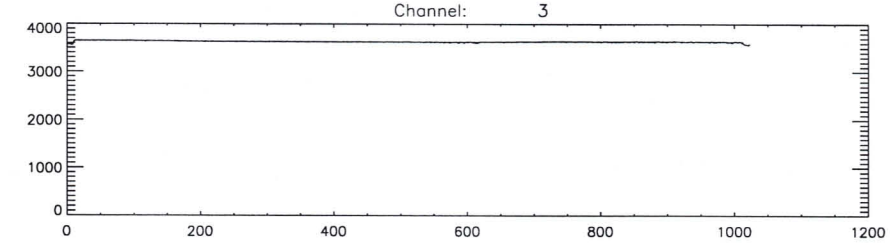

Channel: 8
2.5x10^6
2.0x10^6
1.5x10^6
1.0x10^6
5.0x10^5
0
0
200
400
600
800
1000
1200

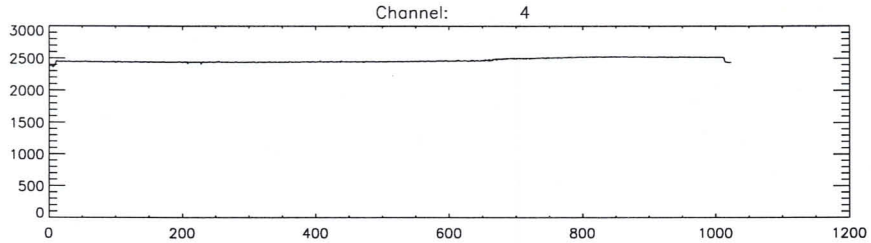

Channel: PMDs
8000
6000
4000
2000
0
0
5
10
15

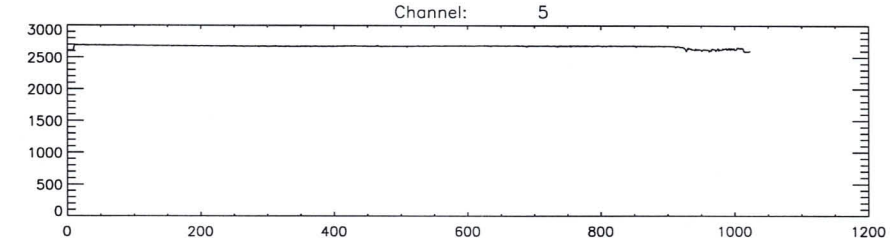

File: /disk1/scia/DATA-DIR/XSI-IR-1/4/scia_24081998_164517647.egse_ltf.mp1922.avg.cal.ps
Date: Mon Aug 24 20:37:51 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

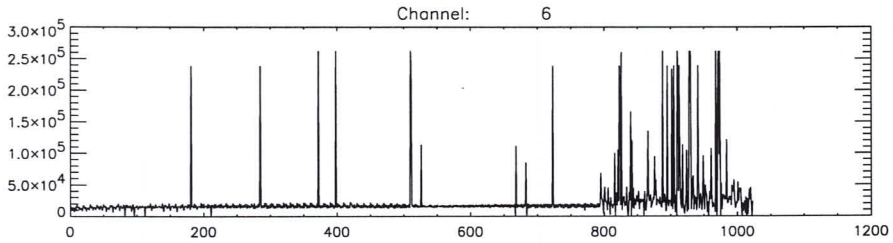

Channel: 1
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200

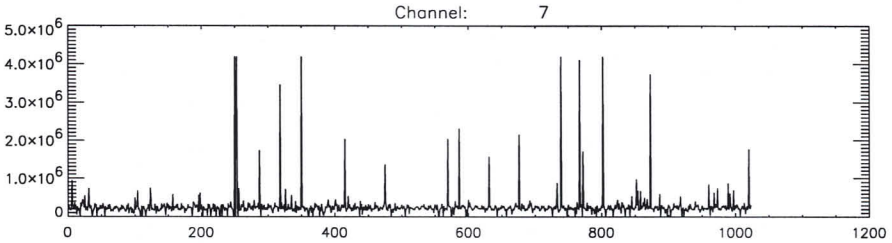

Channel: 2
3000
2000
1000
0
0
200
400
600
800
1000
1200

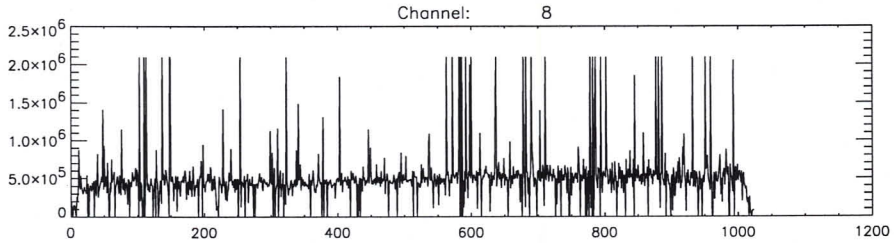

Channel: 3
4000
3000
2000
1000
0
0
200
400
600
800
1000
1200

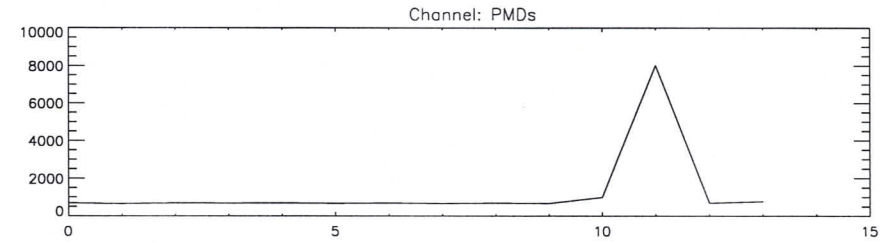

Channel: 4
3000
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200

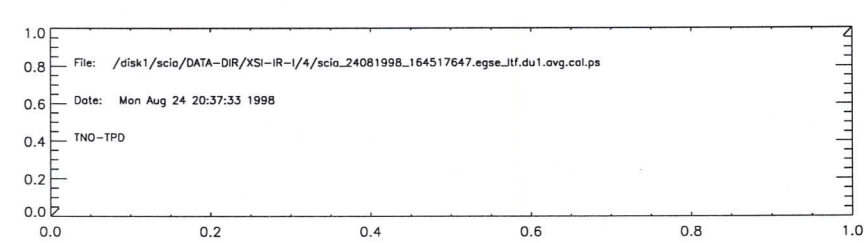

Channel: 5
3000
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200


Channel: 6
3.0×10^5
2.5×10^5
2.0×10^5
1.5×10^5
1.0×10^5
5.0×10^4
0
0
200
400
600
800
1000
1200

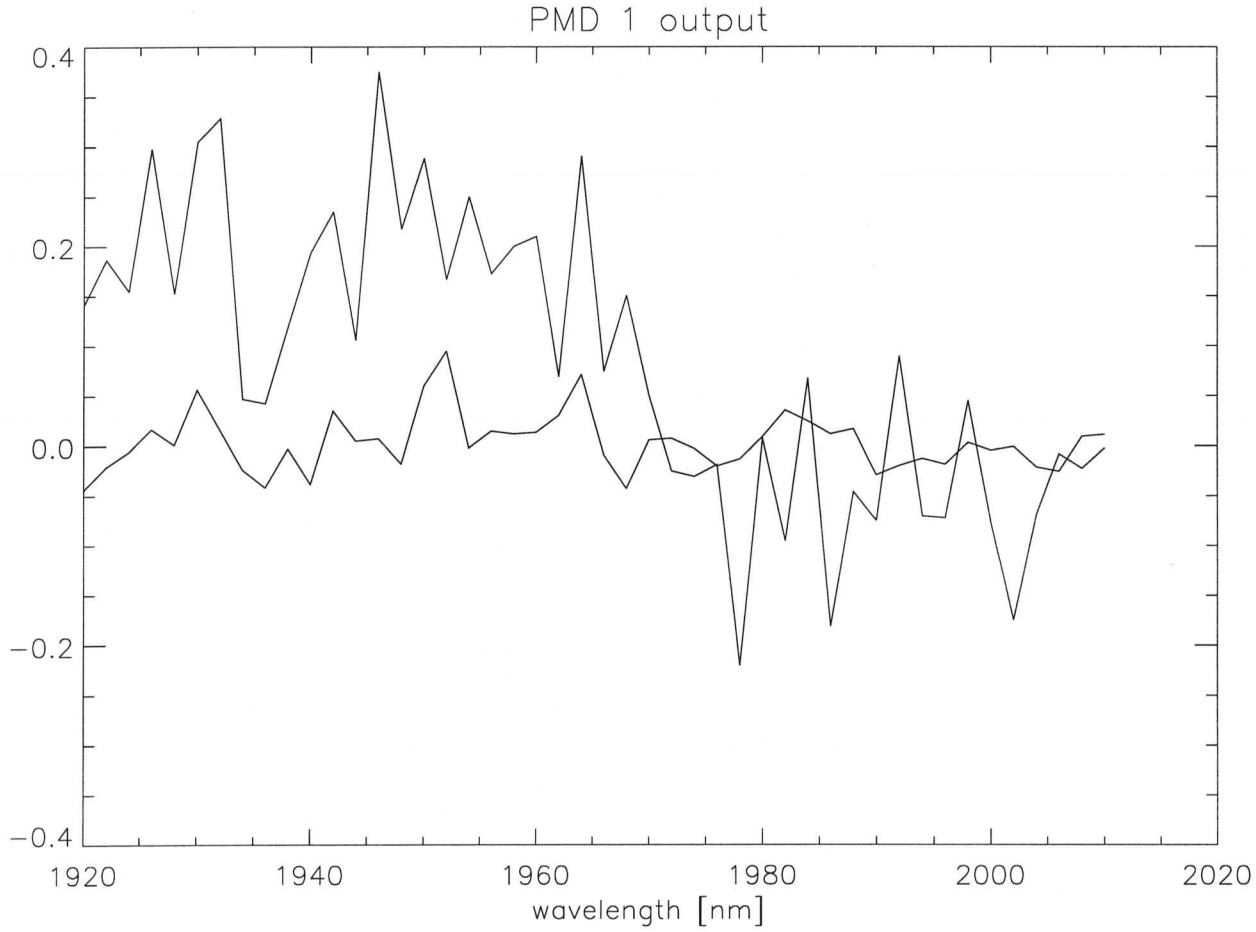

Channel: 7
5.0×10^6
4.0×10^6
3.0×10^6
2.0×10^6
1.0×10^6
0
0
200
400
600
800
1000
1200

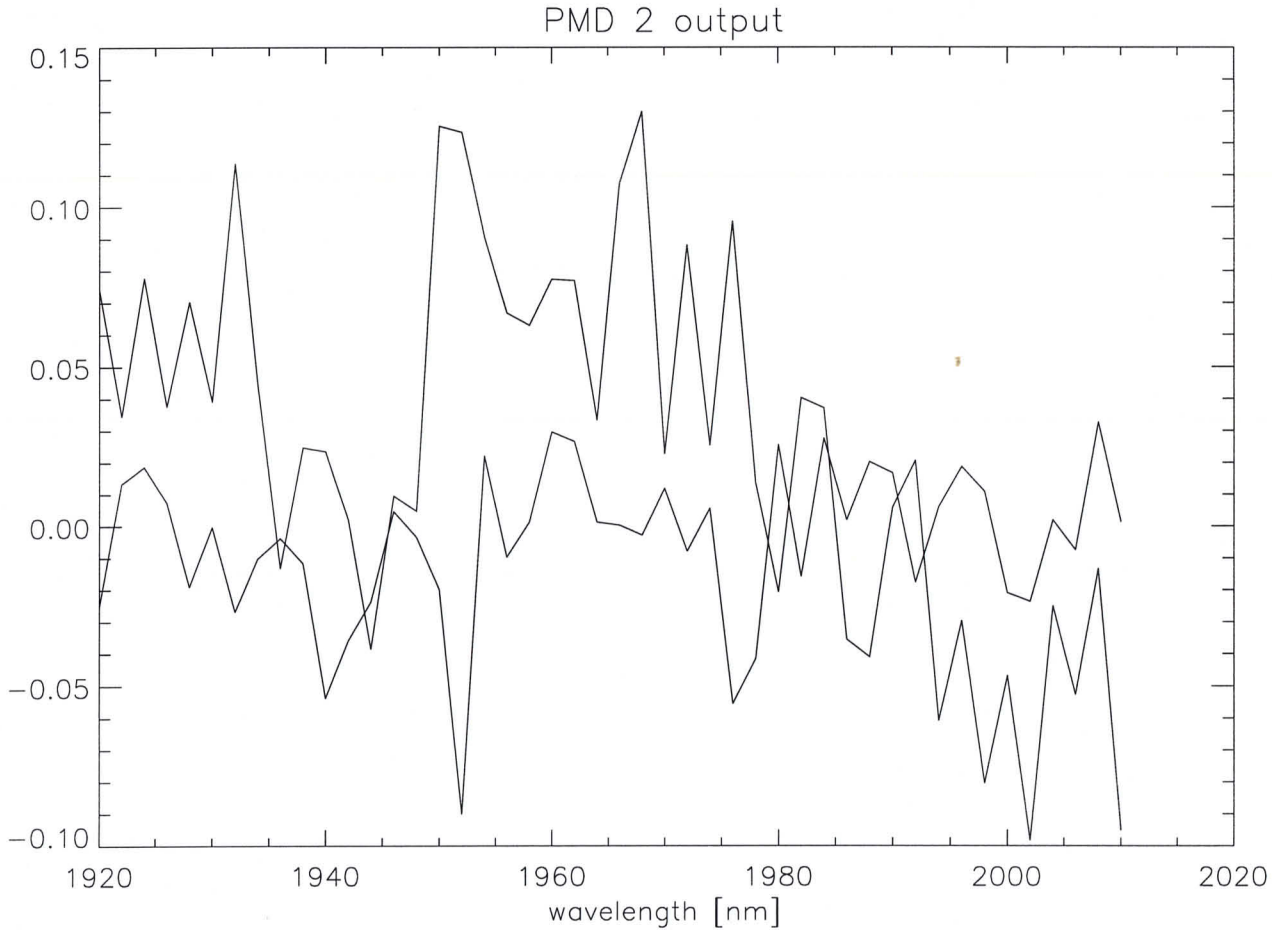

Channel: 8
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
200
400
600
800
1000
1200

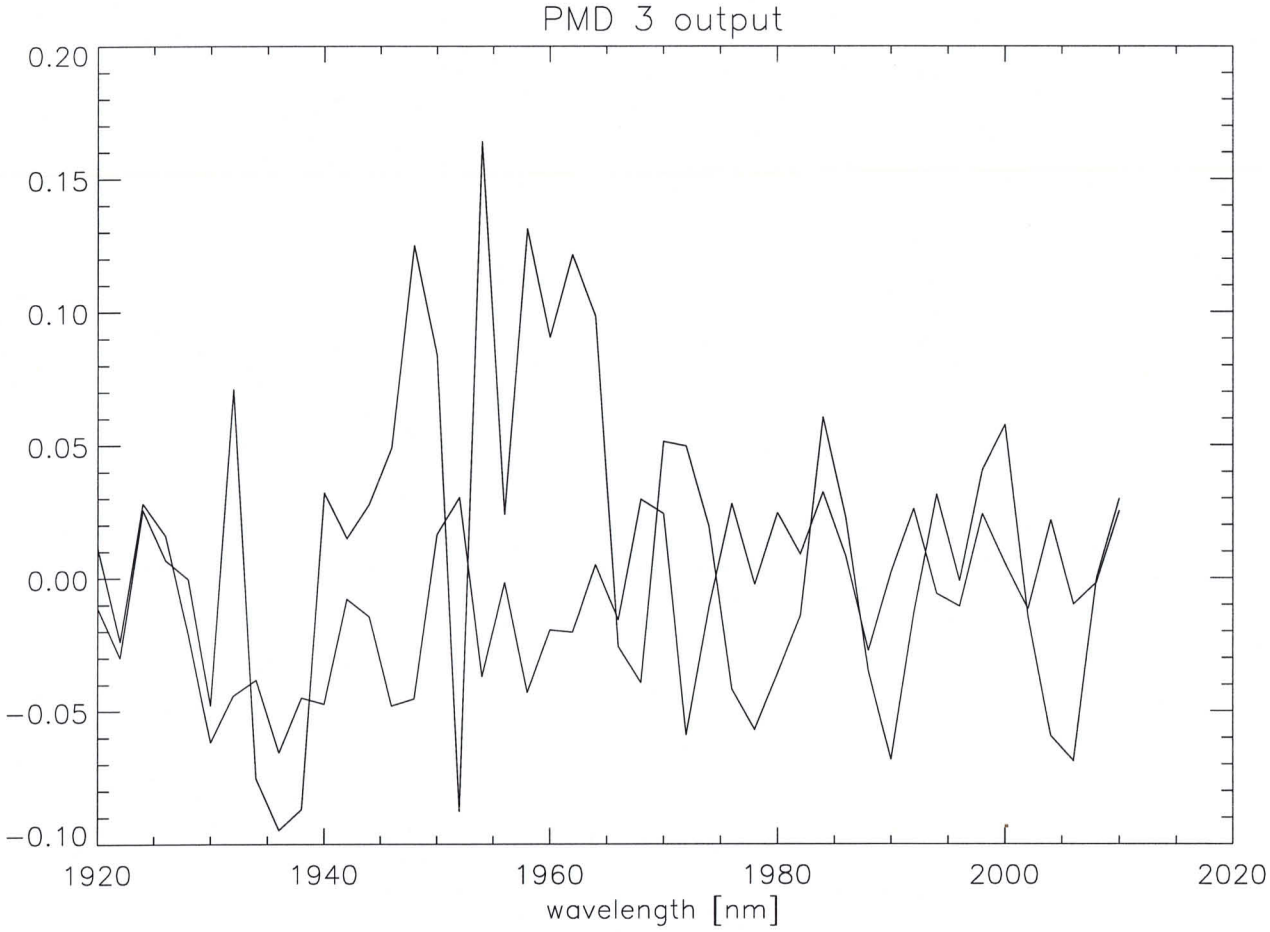

Channel: PMDs
10000
8000
6000
4000
2000
0
0
5
10
15

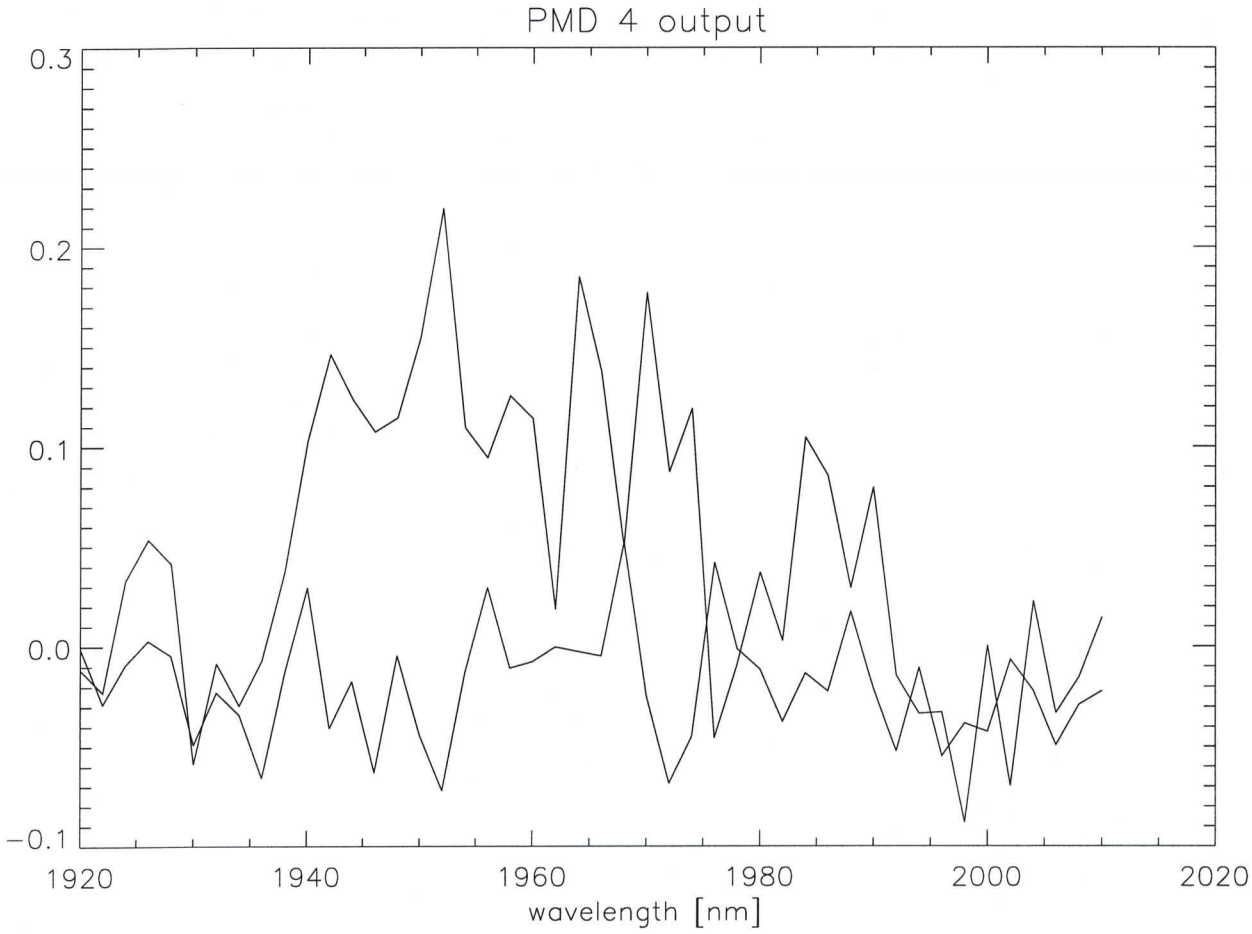

File: /disk1/scia/DATA-DIR/XSI-IR-1/4/scia_24081998_164517647.egse_ltf.du1.avg.cal.ps
Date: Mon Aug 24 20:37:33 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

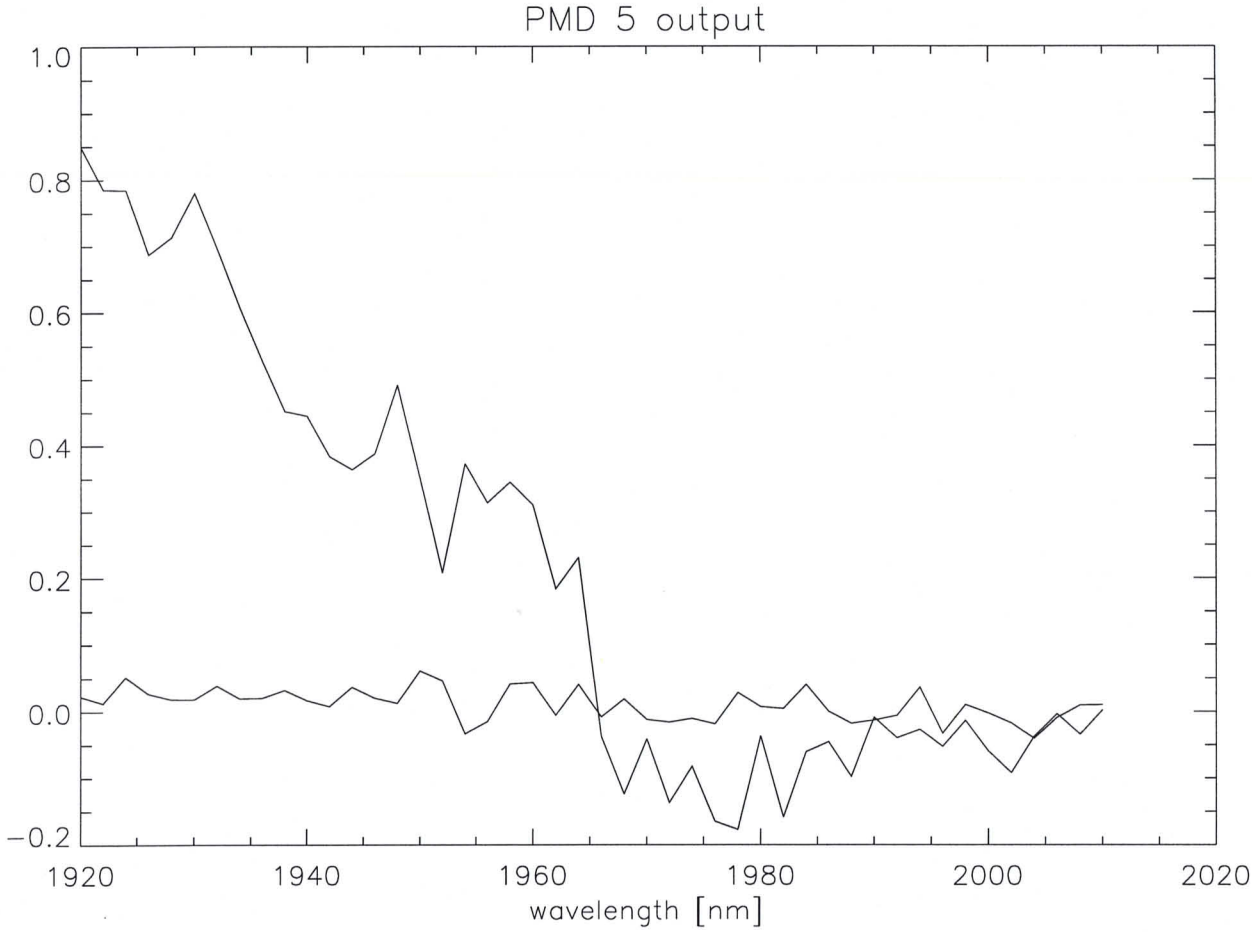
```
1920 1964 scia_24081998_164517647.egse_ltf.du1.avg.cal
1966 2010 scia_24081998_164517647.egse_ltf.du2.avg.cal
```

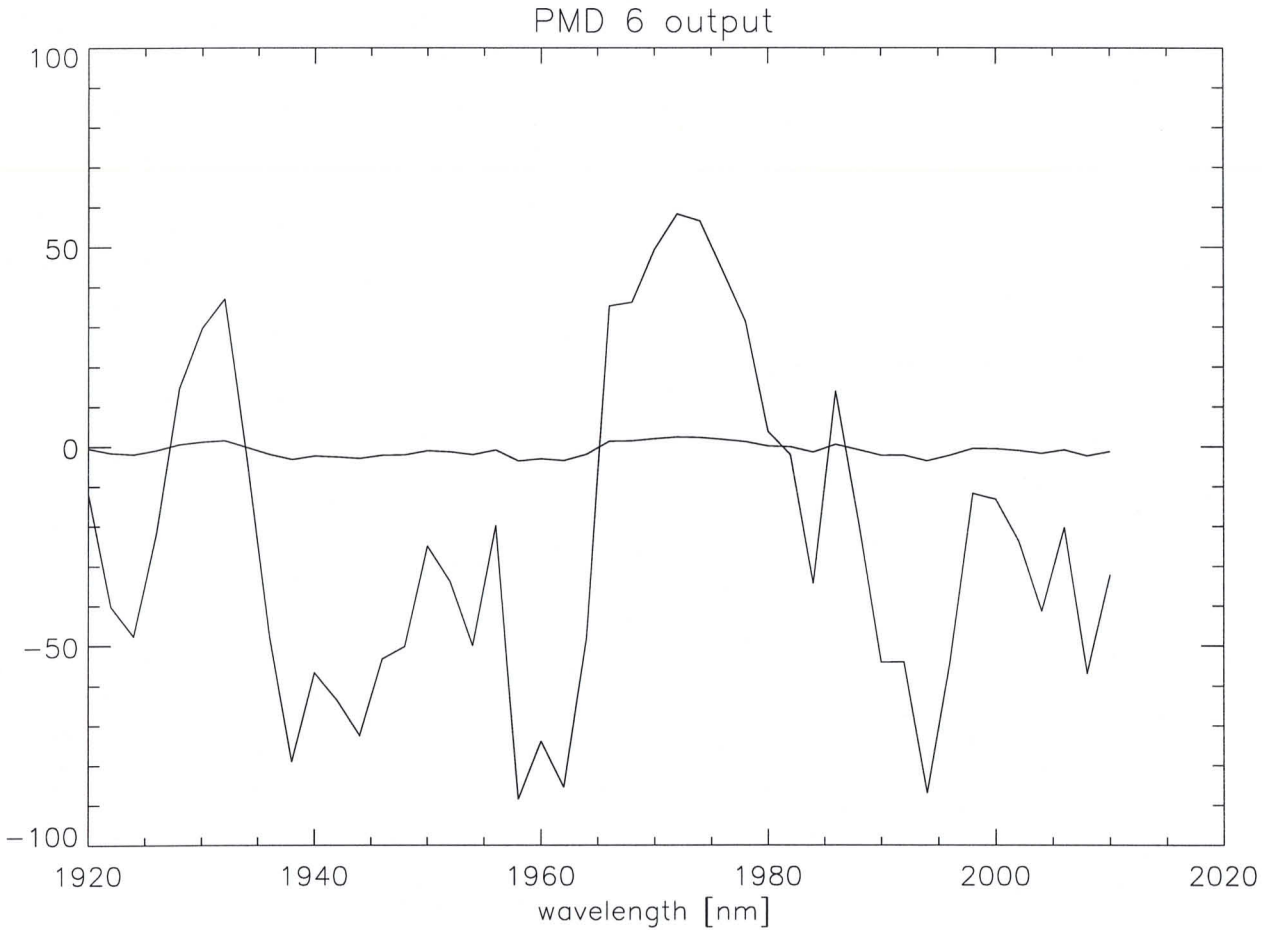

PMD 1 output
0.4
0.2
0.0
−0.2
−0.4
1920
1940
1960
1980
2000
2020
wavelength [nm]

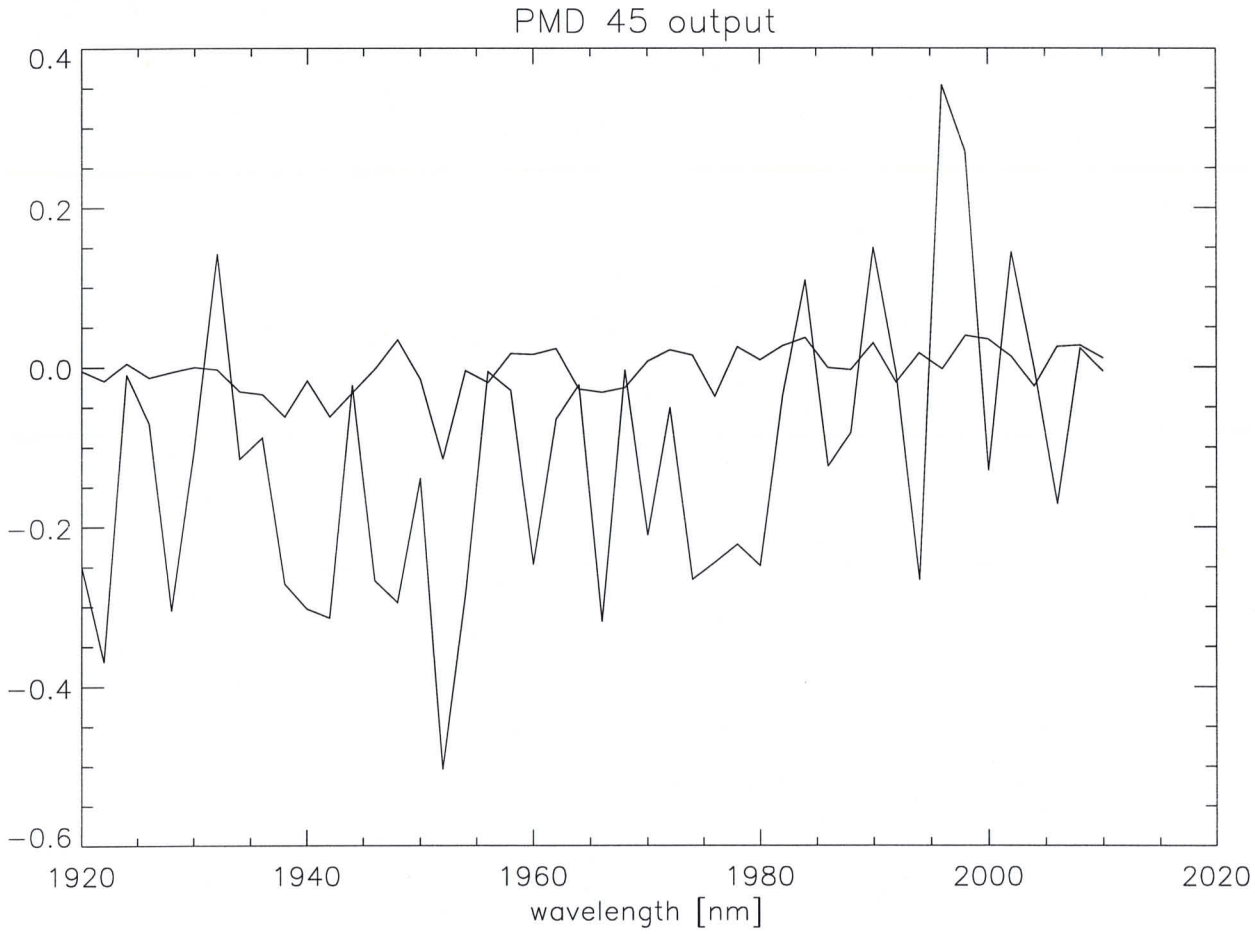

PMD 2 output
0.15
0.10
0.05
0.00
−0.05
−0.10
1920
1940
1960
1980
2000
2020
wavelength [nm]

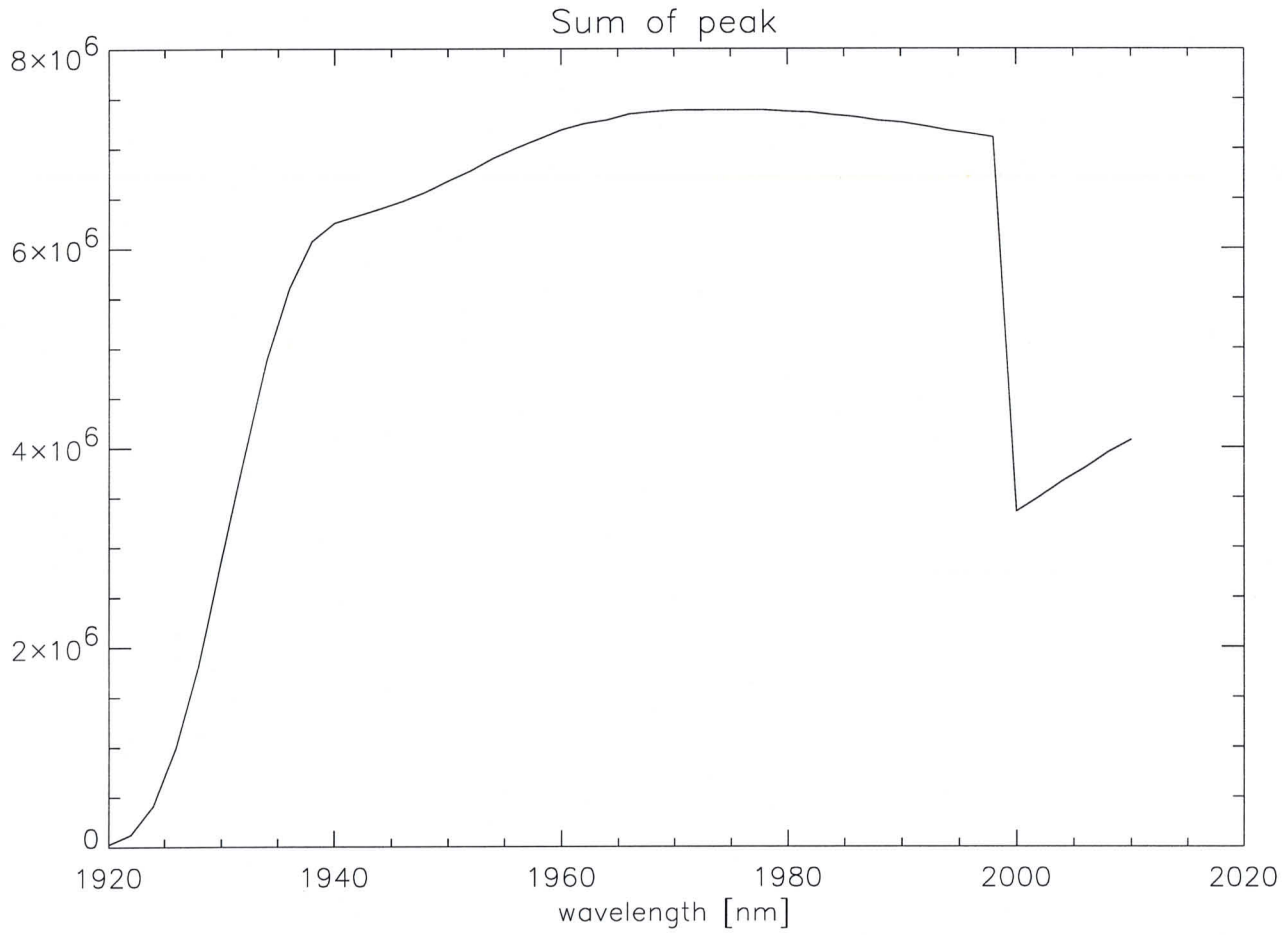

PMD 3 output
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
1920
1940
1960
1980
2000
2020
wavelength [nm]

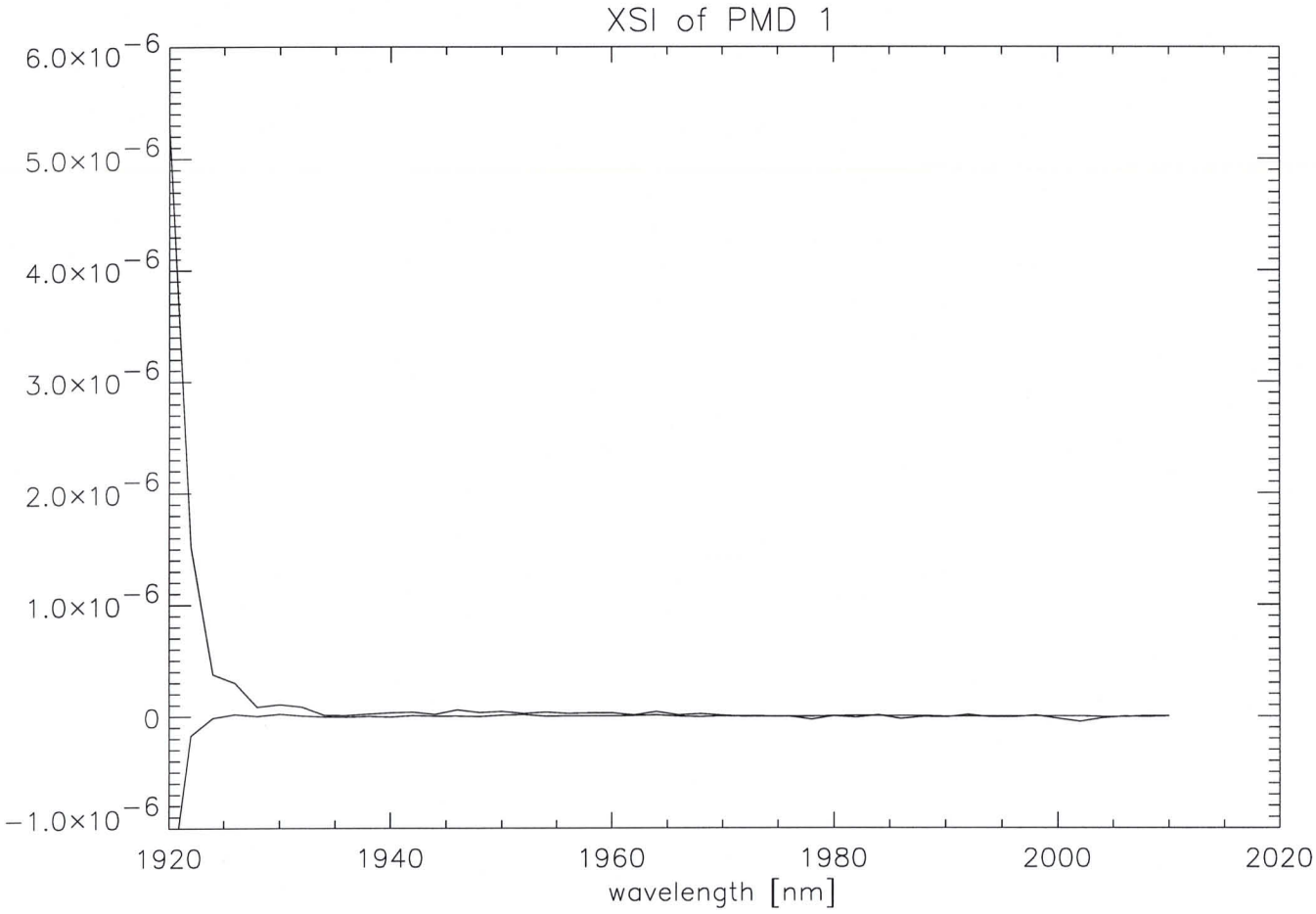

PMD 4 output
0.3
0.2
0.1
0.0
−0.1
1920
1940
1960
1980
2000
2020
wavelength [nm]

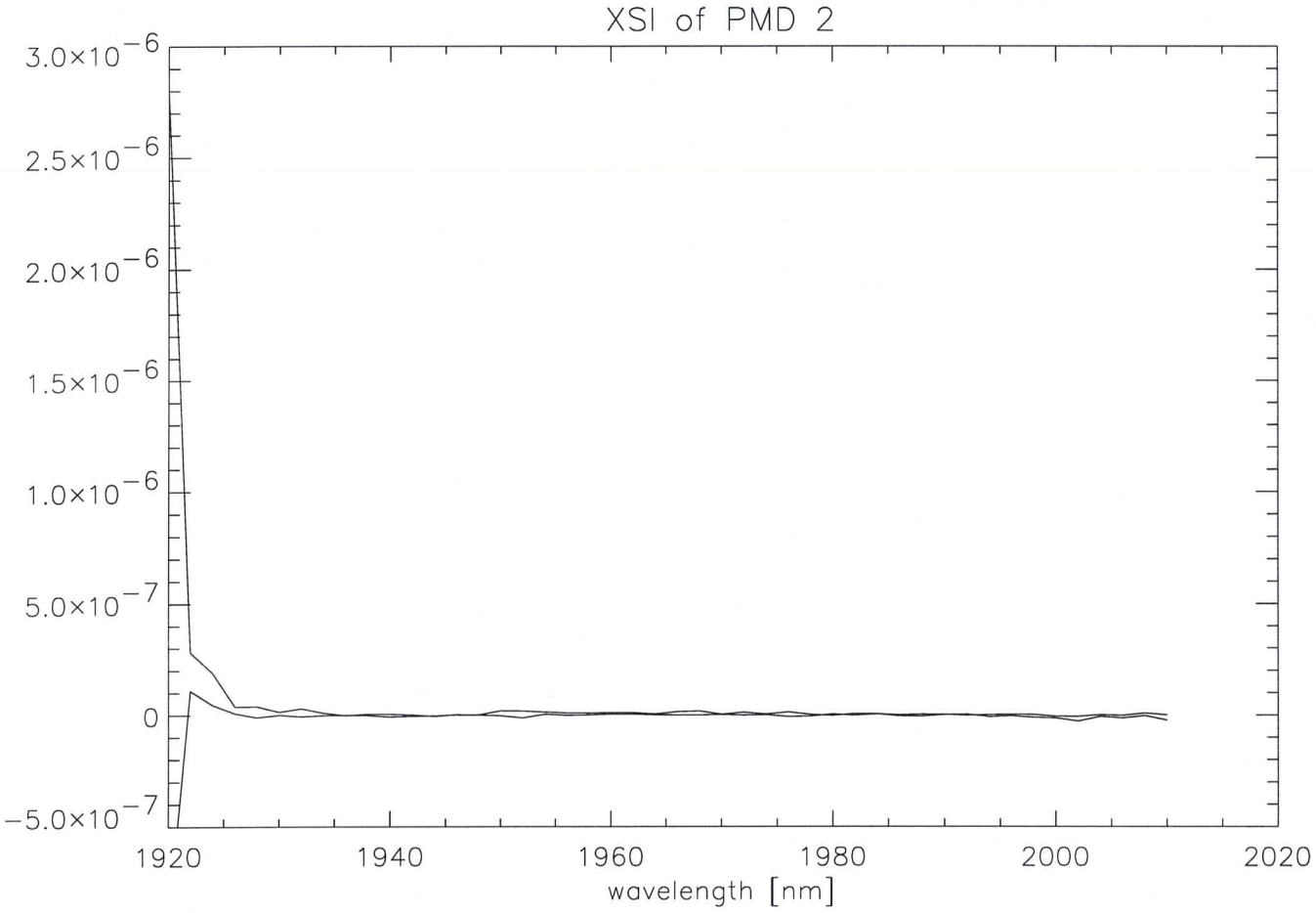

PMD 5 output
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
1920
1940
1960
1980
2000
2020
wavelength [nm]

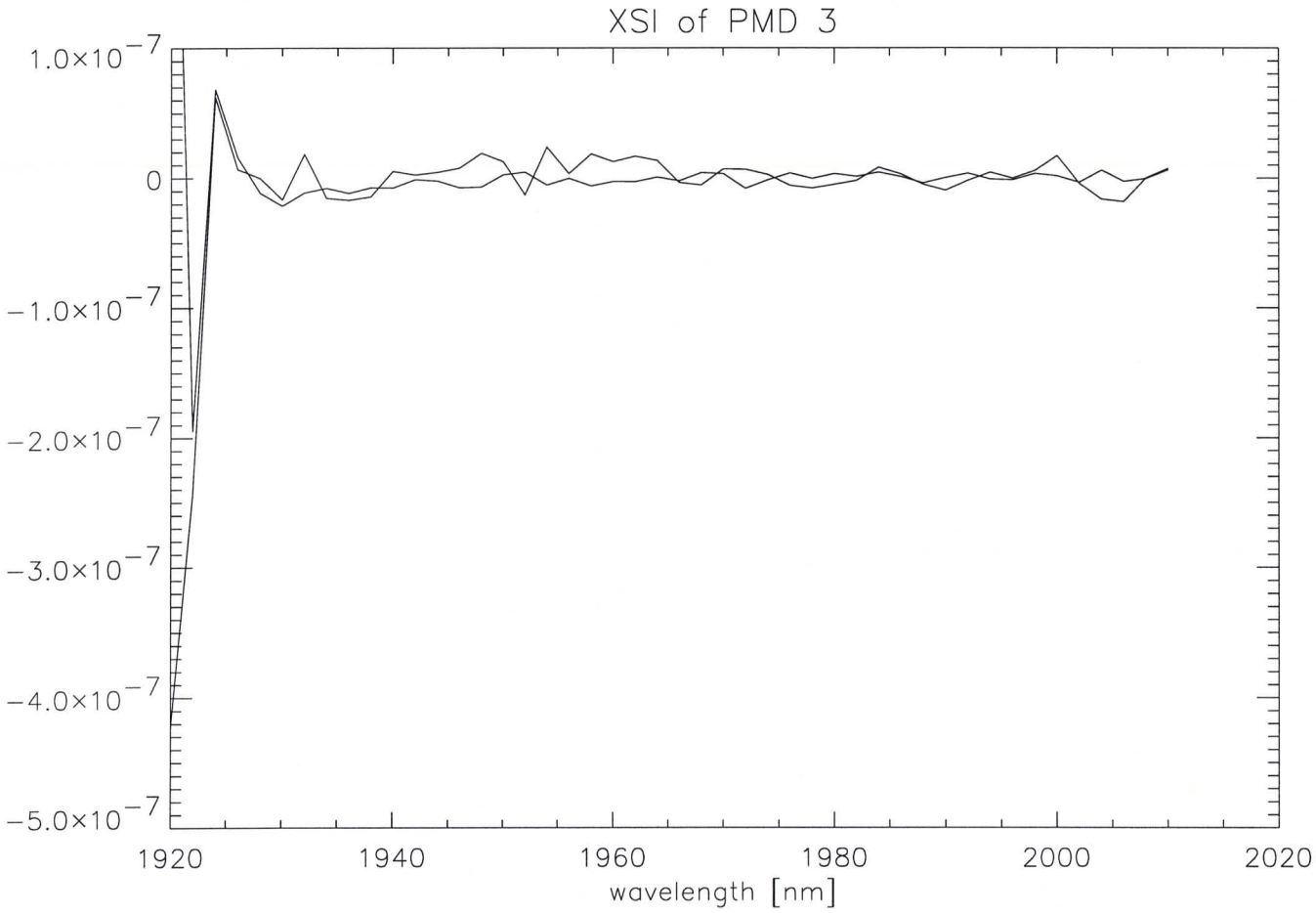

PMD 6 output
100
50
0
−50
−100
1920
1940
1960
1980
2000
2020
wavelength [nm]

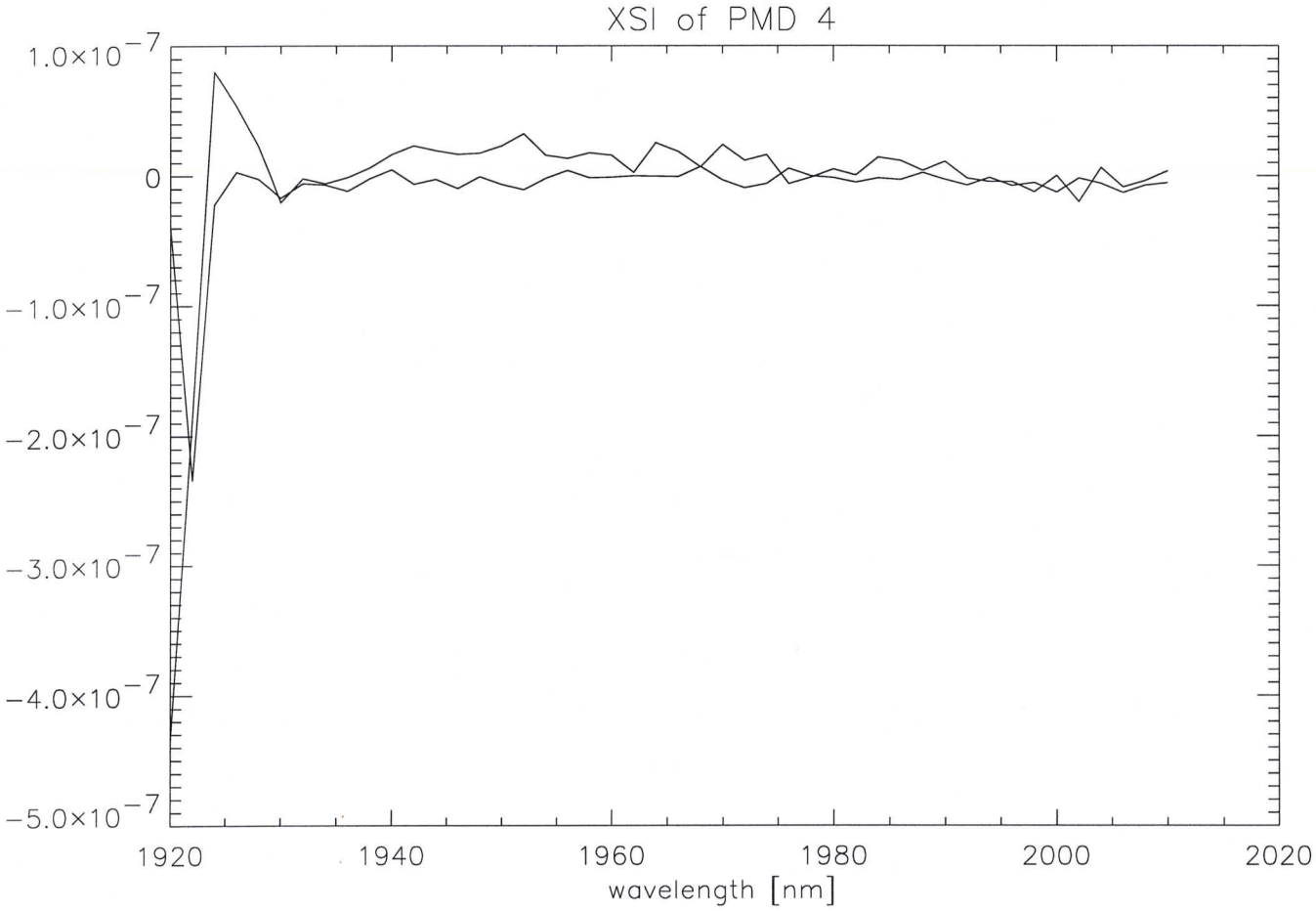

PMD 45 output
0.4
0.2
0.0
−0.2
−0.4
−0.6
1920
1940
1960
1980
2000
2020
wavelength [nm]

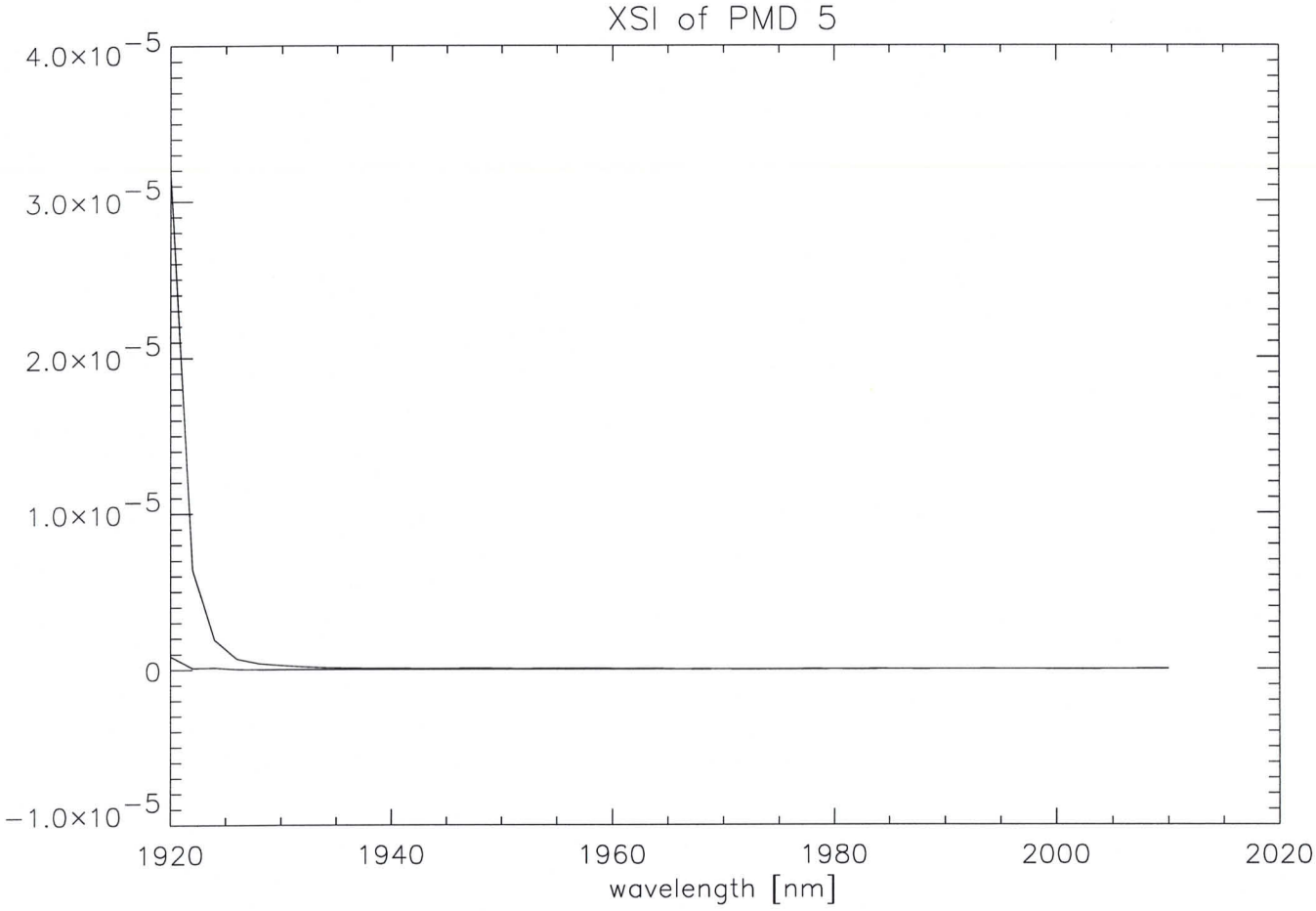

Sum of peak
8×10^6
6×10^6
4×10^6
2×10^6
0
1920
1940
1960
1980
2000
2020
wavelength [nm]

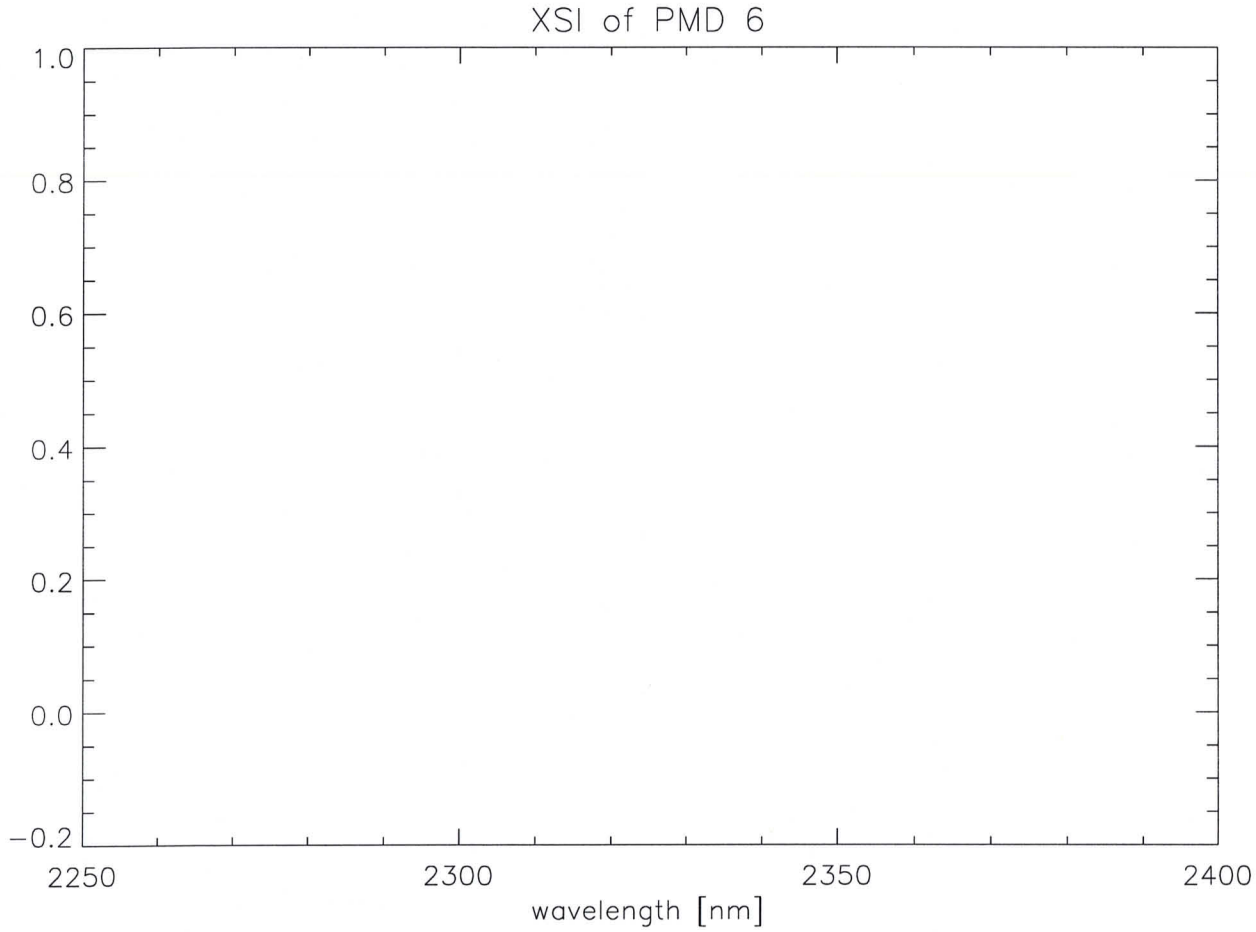

XSI of PMD 1
6.0×10−6
5.0×10−6
4.0×10−6
3.0×10−6
2.0×10−6
1.0×10−6
0
−1.0×10−6
1920
1940
1960
1980
2000
2020
wavelength [nm]

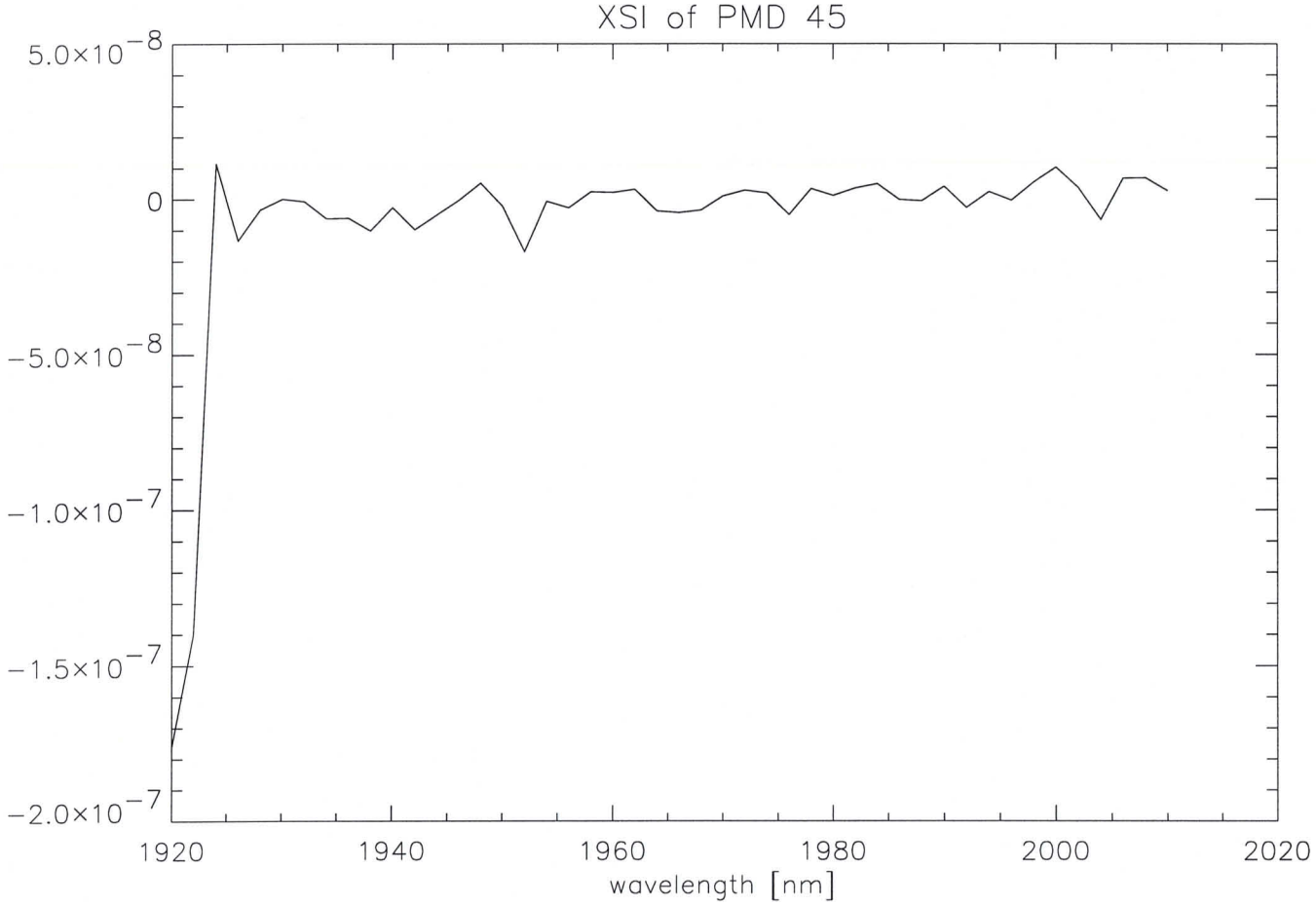

XSI of PMD 2
3.0×10−6
2.5×10−6
2.0×10−6
1.5×10−6
1.0×10−6
5.0×10−7
0
−5.0×10−7
1920
1940
1960
1980
2000
2020
wavelength [nm]


XSI of PMD 3
1.0×10−7
0
−1.0×10−7
−2.0×10−7
−3.0×10−7
−4.0×10−7
−5.0×10−7
1920
1940
1960
1980
2000
2020
wavelength [nm]


XSI of PMD 4
1.0×10−7
0
−1.0×10−7
−2.0×10−7
−3.0×10−7
−4.0×10−7
−5.0×10−7
1920
1940
1960
1980
2000
2020
wavelength [nm]


XSI of PMD 5
4.0×10−5
3.0×10−5
2.0×10−5
1.0×10−5
0
−1.0×10−5
1920
1940
1960
1980
2000
2020
wavelength [nm]


XSI of PMD 6
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
2250
2300
2350
2400
wavelength [nm]


XSI of PMD 45
5.0×10−8
0
−5.0×10−8
−1.0×10−7
−1.5×10−7
−2.0×10−7
1920
1940
1960
1980
2000
2020
wavelength [nm]

```
Version:  0.1
Input files:  /disk1/scia/DATA-DIR/XSI-IR-I/4/control-file
 scia_24081998_164517647.egse_ltf.du1.avg.cal
 scia_24081998_164517647.egse_ltf.du2.avg.cal
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1920.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1922.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1924.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1926.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1928.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1930.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1932.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1934.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1936.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1938.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1940.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1942.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1944.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1946.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1948.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1950.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1952.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1954.avg.c
  lisk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1956.avg.c
 ,disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1958.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1960.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1962.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1964.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1966.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1968.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1970.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1972.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1974.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1976.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1978.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1980.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1982.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1984.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1986.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1988.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1990.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1992.avg.c
  lisk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1994.avg.c
 ,disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1996.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1998.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp2000.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp2002.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp2004.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp2006.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp2008.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp2010.avg.c
Processing:
Computation of XSI
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/latest/ppg.cal
ETALON correction filename used: /disk1/scia/DATA-DIR/CORR/latest/etalon.cal
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/wl.data
STRAYLIGHT correction filename used: /disk1/scia/DATA-DIR/CORR/latest/stray.da
Processing time: Mon Aug 24 21:03:50 1998
Output file name:
/disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.du1.avg.p1.ca
```

```
#! /bin/sh
mv f0 236y1638.doc
mv f1 236y1643.doc
mv f2 236y1820.xls
mv f3 24081645.DAT
mv f4 WS_FTP.LOG
mv f5 control-file
mv f6 dapbchklog
mv f7 dapbseqlog
mv f8 egse.inf
mv f9 gemsmpara.dat
mv f10 hk_ccb.dat
mv f11 hk_optec.dat
mv f12 scia_24081998_164517647.dat
mv f13 scia_24081998_164517647.egse_ltf
mv f14 scia_24081998_164517647.egse_ltf.du1.avg.cal
mv f15 scia_24081998_164517647.egse_ltf.du1.avg.cal.ps
mv f16 scia_24081998_164517647.egse_ltf.du1.avg.p1.cal
mv f17 scia_24081998_164517647.egse_ltf.du1.avg.p1.cal.data
mv f18 scia_24081998_164517647.egse_ltf.du1.avg.p1.cal.data.log
mv f19 scia_24081998_164517647.egse_ltf.du1.avg.p1.cal.data.ps
mv f20 scia_24081998_164517647.egse_ltf.du1.avg.p1.cal.data.ps.log
mv f21 scia_24081998_164517647.egse_ltf.du1.log
mv f22 scia_24081998_164517647.egse_ltf.du1.rel_std.cal
mv f23 scia_24081998_164517647.egse_ltf.du1.rel_std.cal.ps
mv f24 scia_24081998_164517647.egse_ltf.du1.std.cal
mv f25 scia_24081998_164517647.egse_ltf.du1.std.cal.ps
mv f26 scia_24081998_164517647.egse_ltf.du2.avg.cal
mv f27 scia_24081998_164517647.egse_ltf.du2.log
mv f28 scia_24081998_164517647.egse_ltf.mp1920.avg.cal
mv f29 scia_24081998_164517647.egse_ltf.mp1920.avg.cal.ps
mv f30 scia_24081998_164517647.egse_ltf.mp1920.log
mv f31 scia_24081998_164517647.egse_ltf.mp1920.rel_std.cal
mv f32 scia_24081998_164517647.egse_ltf.mp1920.rel_std.cal.ps
mv f33 scia_24081998_164517647.egse_ltf.mp1920.std.cal
mv f34 scia_24081998_164517647.egse_ltf.mp1920.std.cal.ps
mv f35 scia_24081998_164517647.egse_ltf.mp1922.avg.cal
mv f36 scia_24081998_164517647.egse_ltf.mp1922.avg.cal.ps
mv f37 scia_24081998_164517647.egse_ltf.mp1922.log
mv f38 scia_24081998_164517647.egse_ltf.mp1922.rel_std.cal
mv f39 scia_24081998_164517647.egse_ltf.mp1922.rel_std.cal.ps
mv f40 scia_24081998_164517647.egse_ltf.mp1922.std.cal
mv f41 scia_24081998_164517647.egse_ltf.mp1922.std.cal.ps
mv f42 scia_24081998_164517647.egse_ltf.mp1924.avg.cal
mv f43 scia_24081998_164517647.egse_ltf.mp1924.log
mv f44 scia_24081998_164517647.egse_ltf.mp1926.avg.cal
mv f45 scia_24081998_164517647.egse_ltf.mp1926.log
mv f46 scia_24081998_164517647.egse_ltf.mp1928.avg.cal
mv f47 scia_24081998_164517647.egse_ltf.mp1928.log
mv f48 scia_24081998_164517647.egse_ltf.mp1930.avg.cal
mv f49 scia_24081998_164517647.egse_ltf.mp1930.log
mv f50 scia_24081998_164517647.egse_ltf.mp1932.avg.cal
mv f51 scia_24081998_164517647.egse_ltf.mp1932.log
mv f52 scia_24081998_164517647.egse_ltf.mp1934.avg.cal
mv f53 scia_24081998_164517647.egse_ltf.mp1934.log
mv f54 scia_24081998_164517647.egse_ltf.mp1936.avg.cal
mv f55 scia_24081998_164517647.egse_ltf.mp1936.log
mv f56 scia_24081998_164517647.egse_ltf.mp1938.avg.cal
mv f57 scia_24081998_164517647.egse_ltf.mp1938.log
mv f58 scia_24081998_164517647.egse_ltf.mp1940.avg.cal
mv f59 scia_24081998_164517647.egse_ltf.mp1940.log
mv f60 scia_24081998_164517647.egse_ltf.mp1942.avg.cal
mv f61 scia_24081998_164517647.egse_ltf.mp1942.log
mv f62 scia_24081998_164517647.egse_ltf.mp1944.avg.cal
```

```
mv f63 scia_24081998_164517647.egse_ltf.mp1944.log
mv f64 scia_24081998_164517647.egse_ltf.mp1946.avg.cal
mv f65 scia_24081998_164517647.egse_ltf.mp1946.log
mv f66 scia_24081998_164517647.egse_ltf.mp1948.avg.cal
mv f67 scia_24081998_164517647.egse_ltf.mp1948.log
mv f68 scia_24081998_164517647.egse_ltf.mp1950.avg.cal
mv f69 scia_24081998_164517647.egse_ltf.mp1950.log
mv f70 scia_24081998_164517647.egse_ltf.mp1952.avg.cal
mv f71 scia_24081998_164517647.egse_ltf.mp1952.log
mv f72 scia_24081998_164517647.egse_ltf.mp1954.avg.cal
mv f73 scia_24081998_164517647.egse_ltf.mp1954.log
mv f74 scia_24081998_164517647.egse_ltf.mp1956.avg.cal
mv f75 scia_24081998_164517647.egse_ltf.mp1956.log
mv f76 scia_24081998_164517647.egse_ltf.mp1958.avg.cal
mv f77 scia_24081998_164517647.egse_ltf.mp1958.log
mv f78 scia_24081998_164517647.egse_ltf.mp1960.avg.cal
mv f79 scia_24081998_164517647.egse_ltf.mp1960.log
mv f80 scia_24081998_164517647.egse_ltf.mp1962.avg.cal
mv f81 scia_24081998_164517647.egse_ltf.mp1962.log
mv f82 scia_24081998_164517647.egse_ltf.mp1964.avg.cal
mv f83 scia_24081998_164517647.egse_ltf.mp1964.log
mv f84 scia_24081998_164517647.egse_ltf.mp1966.avg.cal
   f85 scia_24081998_164517647.egse_ltf.mp1966.log
mv f86 scia_24081998_164517647.egse_ltf.mp1968.avg.cal
mv f87 scia_24081998_164517647.egse_ltf.mp1968.log
mv f88 scia_24081998_164517647.egse_ltf.mp1970.avg.cal
mv f89 scia_24081998_164517647.egse_ltf.mp1970.log
mv f90 scia_24081998_164517647.egse_ltf.mp1972.avg.cal
mv f91 scia_24081998_164517647.egse_ltf.mp1972.log
mv f92 scia_24081998_164517647.egse_ltf.mp1974.avg.cal
mv f93 scia_24081998_164517647.egse_ltf.mp1974.log
mv f94 scia_24081998_164517647.egse_ltf.mp1976.avg.cal
mv f95 scia_24081998_164517647.egse_ltf.mp1976.log
mv f96 scia_24081998_164517647.egse_ltf.mp1978.avg.cal
mv f97 scia_24081998_164517647.egse_ltf.mp1978.log
mv f98 scia_24081998_164517647.egse_ltf.mp1980.avg.cal
mv f99 scia_24081998_164517647.egse_ltf.mp1980.log
mv f100 scia_24081998_164517647.egse_ltf.mp1982.avg.cal
mv f101 scia_24081998_164517647.egse_ltf.mp1982.log
mv f102 scia_24081998_164517647.egse_ltf.mp1984.avg.cal
mv f103 scia_24081998_164517647.egse_ltf.mp1984.log
   f104 scia_24081998_164517647.egse_ltf.mp1986.avg.cal
mv f105 scia_24081998_164517647.egse_ltf.mp1986.log
mv f106 scia_24081998_164517647.egse_ltf.mp1988.avg.cal
mv f107 scia_24081998_164517647.egse_ltf.mp1988.log
mv f108 scia_24081998_164517647.egse_ltf.mp1990.avg.cal
mv f109 scia_24081998_164517647.egse_ltf.mp1990.log
mv f110 scia_24081998_164517647.egse_ltf.mp1992.avg.cal
mv f111 scia_24081998_164517647.egse_ltf.mp1992.log
mv f112 scia_24081998_164517647.egse_ltf.mp1994.avg.cal
mv f113 scia_24081998_164517647.egse_ltf.mp1994.log
mv f114 scia_24081998_164517647.egse_ltf.mp1996.avg.cal
mv f115 scia_24081998_164517647.egse_ltf.mp1996.log
mv f116 scia_24081998_164517647.egse_ltf.mp1998.avg.cal
mv f117 scia_24081998_164517647.egse_ltf.mp1998.log
mv f118 scia_24081998_164517647.egse_ltf.mp2000.avg.cal
mv f119 scia_24081998_164517647.egse_ltf.mp2000.log
mv f120 scia_24081998_164517647.egse_ltf.mp2002.avg.cal
mv f121 scia_24081998_164517647.egse_ltf.mp2002.log
mv f122 scia_24081998_164517647.egse_ltf.mp2004.avg.cal
mv f123 scia_24081998_164517647.egse_ltf.mp2004.log
mv f124 scia_24081998_164517647.egse_ltf.mp2006.avg.cal
mv f125 scia_24081998_164517647.egse_ltf.mp2006.log
mv f126 scia_24081998_164517647.egse_ltf.mp2008.avg.cal
```

```
mv f127 scia_24081998_164517647.egse_ltf.mp2008.log
mv f128 scia_24081998_164517647.egse_ltf.mp2010.avg.cal
mv f129 scia_24081998_164517647.egse_ltf.mp2010.log
mv f130 ~WRL0054.TMP
```

```
#! /bin/sh
mv 236y1638.doc f0
mv 236y1643.doc f1
mv 236y1820.xls f2
mv 24081645.DAT f3
mv WS_FTP.LOG f4
mv control-file f5
mv dapbchklog f6
mv dapbseqlog f7
mv egse.inf f8
mv gemsmpara.dat f9
mv hk_ccb.dat f10
mv hk_optec.dat f11
mv scia_24081998_164517647.dat f12
mv scia_24081998_164517647.egse_ltf f13
mv scia_24081998_164517647.egse_ltf.du1.avg.cal f14
mv scia_24081998_164517647.egse_ltf.du1.avg.cal.ps f15
mv scia_24081998_164517647.egse_ltf.du1.avg.p1.cal f16
mv scia_24081998_164517647.egse_ltf.du1.avg.p1.cal.data f17
mv scia_24081998_164517647.egse_ltf.du1.avg.p1.cal.data.log f18
mv scia_24081998_164517647.egse_ltf.du1.avg.p1.cal.data.ps f19
mv scia_24081998_164517647.egse_ltf.du1.avg.p1.cal.data.ps.log f20
mv scia_24081998_164517647.egse_ltf.du1.log f21
mv scia_24081998_164517647.egse_ltf.du1.rel_std.cal f22
mv scia_24081998_164517647.egse_ltf.du1.rel_std.cal.ps f23
mv scia_24081998_164517647.egse_ltf.du1.std.cal f24
mv scia_24081998_164517647.egse_ltf.du1.std.cal.ps f25
mv scia_24081998_164517647.egse_ltf.du2.avg.cal f26
mv scia_24081998_164517647.egse_ltf.du2.log f27
mv scia_24081998_164517647.egse_ltf.mp1920.avg.cal f28
mv scia_24081998_164517647.egse_ltf.mp1920.avg.cal.ps f29
mv scia_24081998_164517647.egse_ltf.mp1920.log f30
mv scia_24081998_164517647.egse_ltf.mp1920.rel_std.cal f31
mv scia_24081998_164517647.egse_ltf.mp1920.rel_std.cal.ps f32
mv scia_24081998_164517647.egse_ltf.mp1920.std.cal f33
mv scia_24081998_164517647.egse_ltf.mp1920.std.cal.ps f34
mv scia_24081998_164517647.egse_ltf.mp1922.avg.cal f35
mv scia_24081998_164517647.egse_ltf.mp1922.avg.cal.ps f36
mv scia_24081998_164517647.egse_ltf.mp1922.log f37
mv scia_24081998_164517647.egse_ltf.mp1922.rel_std.cal f38
mv scia_24081998_164517647.egse_ltf.mp1922.rel_std.cal.ps f39
mv scia_24081998_164517647.egse_ltf.mp1922.std.cal f40
mv scia_24081998_164517647.egse_ltf.mp1922.std.cal.ps f41
mv scia_24081998_164517647.egse_ltf.mp1924.avg.cal f42
mv scia_24081998_164517647.egse_ltf.mp1924.log f43
mv scia_24081998_164517647.egse_ltf.mp1926.avg.cal f44
mv scia_24081998_164517647.egse_ltf.mp1926.log f45
mv scia_24081998_164517647.egse_ltf.mp1928.avg.cal f46
mv scia_24081998_164517647.egse_ltf.mp1928.log f47
mv scia_24081998_164517647.egse_ltf.mp1930.avg.cal f48
mv scia_24081998_164517647.egse_ltf.mp1930.log f49
mv scia_24081998_164517647.egse_ltf.mp1932.avg.cal f50
mv scia_24081998_164517647.egse_ltf.mp1932.log f51
mv scia_24081998_164517647.egse_ltf.mp1934.avg.cal f52
mv scia_24081998_164517647.egse_ltf.mp1934.log f53
mv scia_24081998_164517647.egse_ltf.mp1936.avg.cal f54
mv scia_24081998_164517647.egse_ltf.mp1936.log f55
mv scia_24081998_164517647.egse_ltf.mp1938.avg.cal f56
mv scia_24081998_164517647.egse_ltf.mp1938.log f57
mv scia_24081998_164517647.egse_ltf.mp1940.avg.cal f58
mv scia_24081998_164517647.egse_ltf.mp1940.log f59
mv scia_24081998_164517647.egse_ltf.mp1942.avg.cal f60
mv scia_24081998_164517647.egse_ltf.mp1942.log f61
mv scia_24081998_164517647.egse_ltf.mp1944.avg.cal f62
```

```
mv scia_24081998_164517647.egse_ltf.mp1944.log f63
mv scia_24081998_164517647.egse_ltf.mp1946.avg.cal f64
mv scia_24081998_164517647.egse_ltf.mp1946.log f65
mv scia_24081998_164517647.egse_ltf.mp1948.avg.cal f66
mv scia_24081998_164517647.egse_ltf.mp1948.log f67
mv scia_24081998_164517647.egse_ltf.mp1950.avg.cal f68
mv scia_24081998_164517647.egse_ltf.mp1950.log f69
mv scia_24081998_164517647.egse_ltf.mp1952.avg.cal f70
mv scia_24081998_164517647.egse_ltf.mp1952.log f71
mv scia_24081998_164517647.egse_ltf.mp1954.avg.cal f72
mv scia_24081998_164517647.egse_ltf.mp1954.log f73
mv scia_24081998_164517647.egse_ltf.mp1956.avg.cal f74
mv scia_24081998_164517647.egse_ltf.mp1956.log f75
mv scia_24081998_164517647.egse_ltf.mp1958.avg.cal f76
mv scia_24081998_164517647.egse_ltf.mp1958.log f77
mv scia_24081998_164517647.egse_ltf.mp1960.avg.cal f78
mv scia_24081998_164517647.egse_ltf.mp1960.log f79
mv scia_24081998_164517647.egse_ltf.mp1962.avg.cal f80
mv scia_24081998_164517647.egse_ltf.mp1962.log f81
mv scia_24081998_164517647.egse_ltf.mp1964.avg.cal f82
mv scia_24081998_164517647.egse_ltf.mp1964.log f83
mv scia_24081998_164517647.egse_ltf.mp1966.avg.cal f84
1   scia_24081998_164517647.egse_ltf.mp1966.log f85
mv scia_24081998_164517647.egse_ltf.mp1968.avg.cal f86
mv scia_24081998_164517647.egse_ltf.mp1968.log f87
mv scia_24081998_164517647.egse_ltf.mp1970.avg.cal f88
mv scia_24081998_164517647.egse_ltf.mp1970.log f89
mv scia_24081998_164517647.egse_ltf.mp1972.avg.cal f90
mv scia_24081998_164517647.egse_ltf.mp1972.log f91
mv scia_24081998_164517647.egse_ltf.mp1974.avg.cal f92
mv scia_24081998_164517647.egse_ltf.mp1974.log f93
mv scia_24081998_164517647.egse_ltf.mp1976.avg.cal f94
mv scia_24081998_164517647.egse_ltf.mp1976.log f95
mv scia_24081998_164517647.egse_ltf.mp1978.avg.cal f96
mv scia_24081998_164517647.egse_ltf.mp1978.log f97
mv scia_24081998_164517647.egse_ltf.mp1980.avg.cal f98
mv scia_24081998_164517647.egse_ltf.mp1980.log f99
mv scia_24081998_164517647.egse_ltf.mp1982.avg.cal f100
mv scia_24081998_164517647.egse_ltf.mp1982.log f101
mv scia_24081998_164517647.egse_ltf.mp1984.avg.cal f102
mv scia_24081998_164517647.egse_ltf.mp1984.log f103
r   scia_24081998_164517647.egse_ltf.mp1986.avg.cal f104
mv scia_24081998_164517647.egse_ltf.mp1986.log f105
mv scia_24081998_164517647.egse_ltf.mp1988.avg.cal f106
mv scia_24081998_164517647.egse_ltf.mp1988.log f107
mv scia_24081998_164517647.egse_ltf.mp1990.avg.cal f108
mv scia_24081998_164517647.egse_ltf.mp1990.log f109
mv scia_24081998_164517647.egse_ltf.mp1992.avg.cal f110
mv scia_24081998_164517647.egse_ltf.mp1992.log f111
mv scia_24081998_164517647.egse_ltf.mp1994.avg.cal f112
mv scia_24081998_164517647.egse_ltf.mp1994.log f113
mv scia_24081998_164517647.egse_ltf.mp1996.avg.cal f114
mv scia_24081998_164517647.egse_ltf.mp1996.log f115
mv scia_24081998_164517647.egse_ltf.mp1998.avg.cal f116
mv scia_24081998_164517647.egse_ltf.mp1998.log f117
mv scia_24081998_164517647.egse_ltf.mp2000.avg.cal f118
mv scia_24081998_164517647.egse_ltf.mp2000.log f119
mv scia_24081998_164517647.egse_ltf.mp2002.avg.cal f120
mv scia_24081998_164517647.egse_ltf.mp2002.log f121
mv scia_24081998_164517647.egse_ltf.mp2004.avg.cal f122
mv scia_24081998_164517647.egse_ltf.mp2004.log f123
mv scia_24081998_164517647.egse_ltf.mp2006.avg.cal f124
mv scia_24081998_164517647.egse_ltf.mp2006.log f125
mv scia_24081998_164517647.egse_ltf.mp2008.avg.cal f126
```

```
mv scia_24081998_164517647.egse_ltf.mp2008.log f127
mv scia_24081998_164517647.egse_ltf.mp2010.avg.cal f128
mv scia_24081998_164517647.egse_ltf.mp2010.log f129
mv ~WRL0054.TMP f130
```

	LOG SHEET SCHIAMACHY CALIBRATION	
Date/Time	**Description of action**	**Measurement directory**
	Bert: Morgenochtend komt tussen 8 en 9 een team van Dornier. Met Erik is al afgesproken dat zij in eerste instantie (eerste dag) prioriteit krygen d.w.z. kunnen testen. Don't start 5h msm at 7:00 !! Marcel's idee: Eta-IR crasht met STH draai eens Eta-IR zonder lamp of met Xenon Probably request: + leave mono but disconnect lamp + put STH-external on top/near mono and connect it	

LOG SHEET SCHIAMACHY CALIBRATION

Date/Time	Description of action	Measurement directory
12:40 utc 24-8	Xi - Vis IR just finished with (wrongly) 1 Suprasil UV diffuser with (wrongly) WLS condensor	
	New programme	
1a	~~then~~ Correct condensor has been placed 1 Suprasil NIR diffuser has been placed	
1b	Finish programme with Xi-IR measurement	
2a	Place 1 LSD diffuser for Vis-IR Repeat measurement Xi - VisIr - III Calculate ratio with previous measurement If ratio of both measurend $\Delta < 1/2\ \%$ => OKE $1/2\% < \Delta < 1\%$ => discussion $1\% < \Delta$ => ~~repeat Xi-VisIR measurement~~ discussion possible repeat measurements	

	LOG SHEET SCHIAMACHY CALIBRATION	
Date/Time	**Description of action**	**Measurement directory**
	Test values between 15×10^3 and 30×10^3 PETS Okay.	

Formal Run of Measurement

(Measurement ID) X1-9

Request for Actual Status		(cross out entries that are **not** requested.)
Request for Modification		(fill in only entries to be modified)
Request for Run	X	(no entries = run based on actual default settings)

Scanner Positions

Azimuth	+45	deg
Elevation	-45	deg

Timeline for each Data Acquisition Period during Measurement

	1	2	3	4	5	6	7	8	9	10
State ID	25									
Repetitions	1									

State Parameters for States used in Timeline (State ID must be given)

Channel	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding
1a	64	1						
1b	64	1						
2b	64	1						
2a	64	1						
3	64	1						
4	64	1						
5	64	1						
6	16	4						
7	0,25	64						
8	2	32						
State ID								

test

test values between 15×10^3 and 30×10^3 PETS - OKAY.

Stimuli Settings for Existing Blocks in Measurement

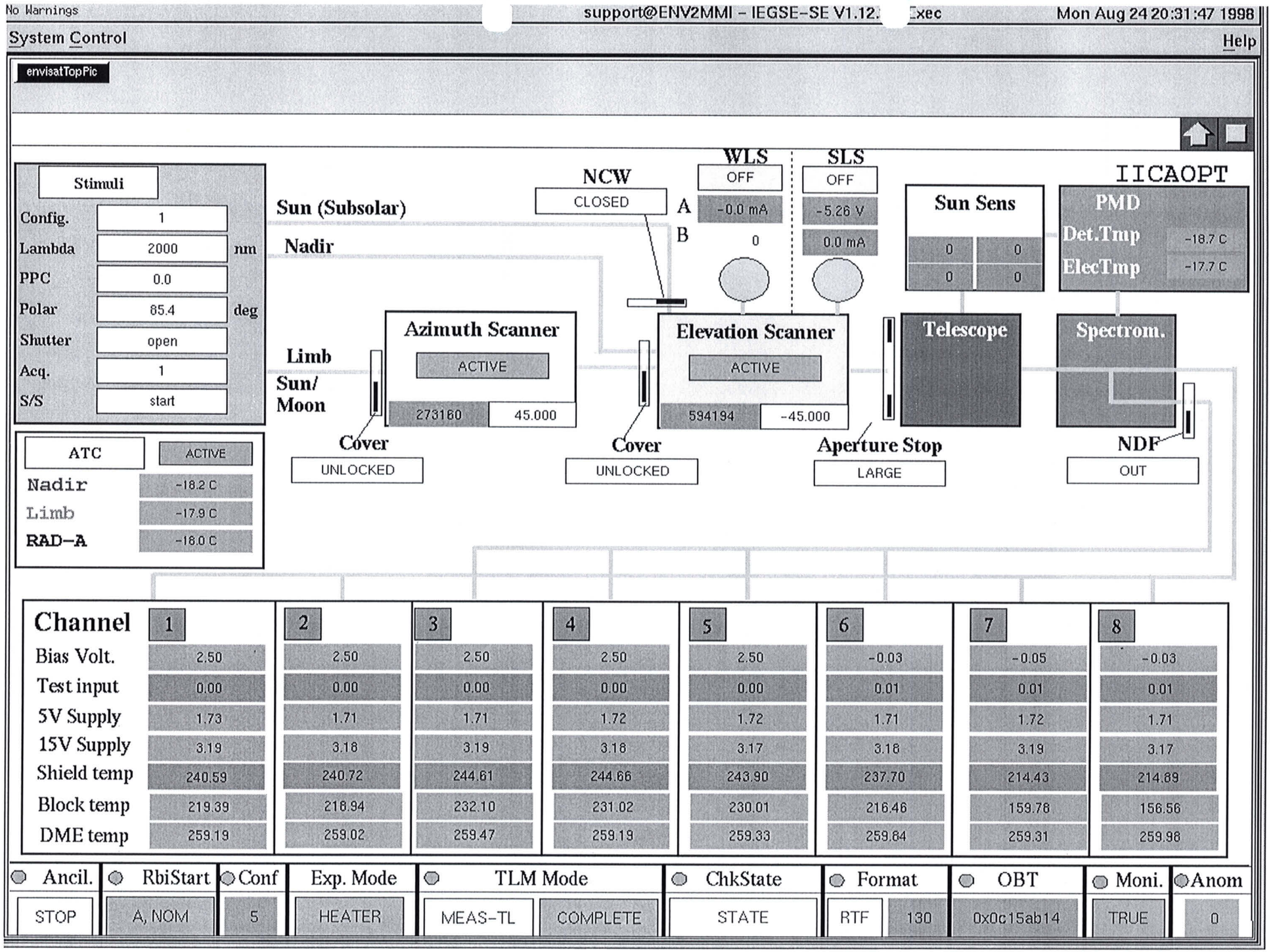
Block No	Stimuli Setup ID	PPC [deg]	Polarizer [deg]	Shutter open/close	Acquisition Time [s]	Lambda [nm] Start	Stop	Step	Repetition Factor	Message	OS Setup Time [s]
1	1	0	85,4	close	1	1990	1990	0	1	DU1	50
2	1	0	85,4	open	1	1990	1990	0	1	MP-	8
3	1	0	85,4	open	1	1992	2060	10	1	MPw	3
4	1	0	85,4	close	1	2060	2060	0	1	DU2	8

Measurement Data Description

Test Purpose	Test: PET
Remark	
Data Directory	0236_19.05.05_X1_9

Signatures

	Date	Signature
Issued	24-8	M. Stoop
< Performed	24.8.98	A. [illegible]


No Warnings
support@ENV2MMI - IEGSE-SE V1.12. Exec
Mon Aug 24 20:31:47 1998
System Control
Help
envisatTopPic
Stimuli
Config. 1
Lambda 2000 nm
PPC 0.0
Polar 85.4 deg
Shutter open
Acq. 1
S/S start
ATC ACTIVE
Nadir -18.2 C
Limb -17.9 C
RAD-A -18.0 C
Sun (Subsolar)
Nadir
Limb
Sun/
Moon
NCW
CLOSED
WLS
OFF
A -0.0 mA
B 0
SLS
OFF
-5.26 V
0.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -18.7 C
ElecTmp -17.7 C
Azimuth Scanner
ACTIVE
273160 45.000
Elevation Scanner
ACTIVE
594194 -45.000
Telescope
Spectrom.
Cover
UNLOCKED
Cover
UNLOCKED
Aperture Stop
LARGE
NDF
OUT
Channel 1 2 3 4 5 6 7 8
Bias Volt. 2.50 2.50 2.50 2.50 2.50 -0.03 -0.05 -0.03
Test input 0.00 0.00 0.00 0.00 0.00 0.01 0.01 0.01
5V Supply 1.73 1.71 1.71 1.72 1.72 1.71 1.72 1.71
15V Supply 3.19 3.18 3.19 3.18 3.17 3.18 3.19 3.17
Shield temp 240.59 240.72 244.61 244.66 243.90 237.70 214.43 214.69
Block temp 219.39 218.94 232.10 231.02 230.01 216.46 159.76 156.56
DME temp 259.19 259.02 259.47 259.19 259.33 259.64 259.31 259.98
Ancil. STOP
RbiStart A, NOM
Conf 5
Exp. Mode HEATER
TLM Mode MEAS-TL COMPLETE
ChkState STATE
Format RTF 130
OBT 0x0c15ab14
Moni. TRUE
Anom 0

Formal Run of Measurement

(Measurement ID) XI - 9

Request for Actual Status		(cross out entries that are **not** requested.)
Request for Modification		(fill in only entries to be modified)
Request for Run	X	(no entries = run based on actual default settings)

Scanner Positions

Azimuth	+45	deg
Elevation	-45	deg

Timeline for each Data Acquisition Period during Measurement

	1	2	3	4	5	6	7	8	9	10
State ID	25									
Repetitions	1									

State Parameters for States used in Timeline (State ID must be given)

Channel	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding
1a	64	1						
1b	64	1						
2b	64	1						
2a	64	1						
3	64	1						
4	64	1						
5	64	1						
6	16	4						
7	0,25	64						
8	2	32						
State ID								

Step 14-3

Stimuli Settings for Existing Blocks in Measurement

Block No	Stimuli Setup ID	PPC [deg]	Polarizer [deg]	Shutter open/close	Acquisition Time [s]	Lambda [nm] Start	Stop	Step	Repetition Factor	Message	OS Setup Time [s]
1	1	0	85,4	close	1	1990	1990	0	5	DU1	50
2	1	0	85,4	open	1	1990	1990	0	1	MPM	8
3	1	0	85,4	open	1	1992	2060	2	1	MPS	3
4	1	0	85,4	close	1	2060	2060	0	5	DU2	8

Measurement Data Description

Test Purpose	UID 18
Remark	
Data Directory	0236_20.05.31_XI_9

Signatures

	Date	Signature
Issued	24-8	M. Stopp
< Performed	24.8.90	

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	PJ Nijssen 24 oct 98	
	What's the name of the (main) data input files generated by the EGSE? `(*.dat)`	scia-24081998-20101595l.	(A)
	Setup a three-window configuration on your SUN.		see course descr.
Cnstr directory	`cd ~/DATA-DIR/XSI-IR-II/ ; ls -l` highest number in directory?	1	Note: In window DATA-DIR (B)
	New directory: `mkdir <B+1>` `ls -l` What's now the highest number in directory? <C> should be <B> + 1	2 (Y) / N	(C)
	directory name is:	`~/DATA-DIR/XSI-IR-II/<C>`	(DIR-NAME)
Copy data	See Analysis sheet: Transfer Data File	(Y) / N	In DATA-DIR window
Cnstr EGSE_LTF	`cal_raw2ltf .` (Error messages are not necessarily fatal; check with SOLAN --in solan window-- whether output file is okay: there should be a signal present, and `dremark1` labels should be filled) `ls -l *.egse_ltf` What's the name of the egse_ltf file <D> should be <A>.egse_ltf	scia_24081998_20101595l.egse.ltf. (Y) / N	Note: In window DATA-DIR; ***don't forget the dot !!!;*** *May take more than 15 mins.* (D)
Cnstr CAL files	`idl run_fastaverscia` (and select file <D> when asked)		Note: In window IDL
Check CAL files	Dark files: `ls -l *du*.cal`		In DATA-DIR Window

size: both 146 kb. should be approx 150Kb

Monochromator ouput:

`ls -l *mp<lambda>*.avg.cal` (where lambda is a wavelength indicator)

size: All 146 kb should be approx 150Kb
lambda ranges from: 1990
to: 2060
Note: all files should be present, if not:
(a) Check file <D> using SOLAN and check whether `dremark1` labels are present.
(b) Check if enough disk space is available (Unix command `df -k | more`).

Print postscript

Pick a *.mp<lambda>.avg.cal file.
`lpr -P<printer> *.avg.cal.ps`
Contents dark file `*du.avg.cal.ps` should be approx. constant within channels: (Y) / N
Contents of a file *mp<lambda>.avg.cal.ps should contain a peak signal in corresponding channel (cannot be seen in channels 7 and 8): (Y) / N → peak in channel 7!
Contents of *mp<lambda>.rel_std.cal.ps files should be smaller than 0.01 (pixel 300 -- 800) for all channels. (Y) / N → (rel-std.cal of du1 in channel 6 pixel n° > 800: (ch. 6+) slightly out of spec.)
If not, value is:
Add postscript images to logbook, done (Y) / N

Print logfiles

`lpr -P<printer> *.log`
Add logfiles to logbook, done (Y) / N

Xsi processing

Control file	Construct `control-file` in dir. <DIR-NAME> where each line is of the form `<l1> <l2> <darkname>` (meaning that file `<darkname>` is to be used as dark measurement for monochromator outputs with wavelength `M` such that `<l1> <= M <= <l2>`). `lpr -P<printer> <DIR-NAME>/control-file` Add `control-file` to logbook, done (Y) N	
Run XSI	`idl do_xsi`	
Check XSI	`ls -l *.data` Size of file `<D>.du*.cal.data` 15580 b	In DATA-DIR window

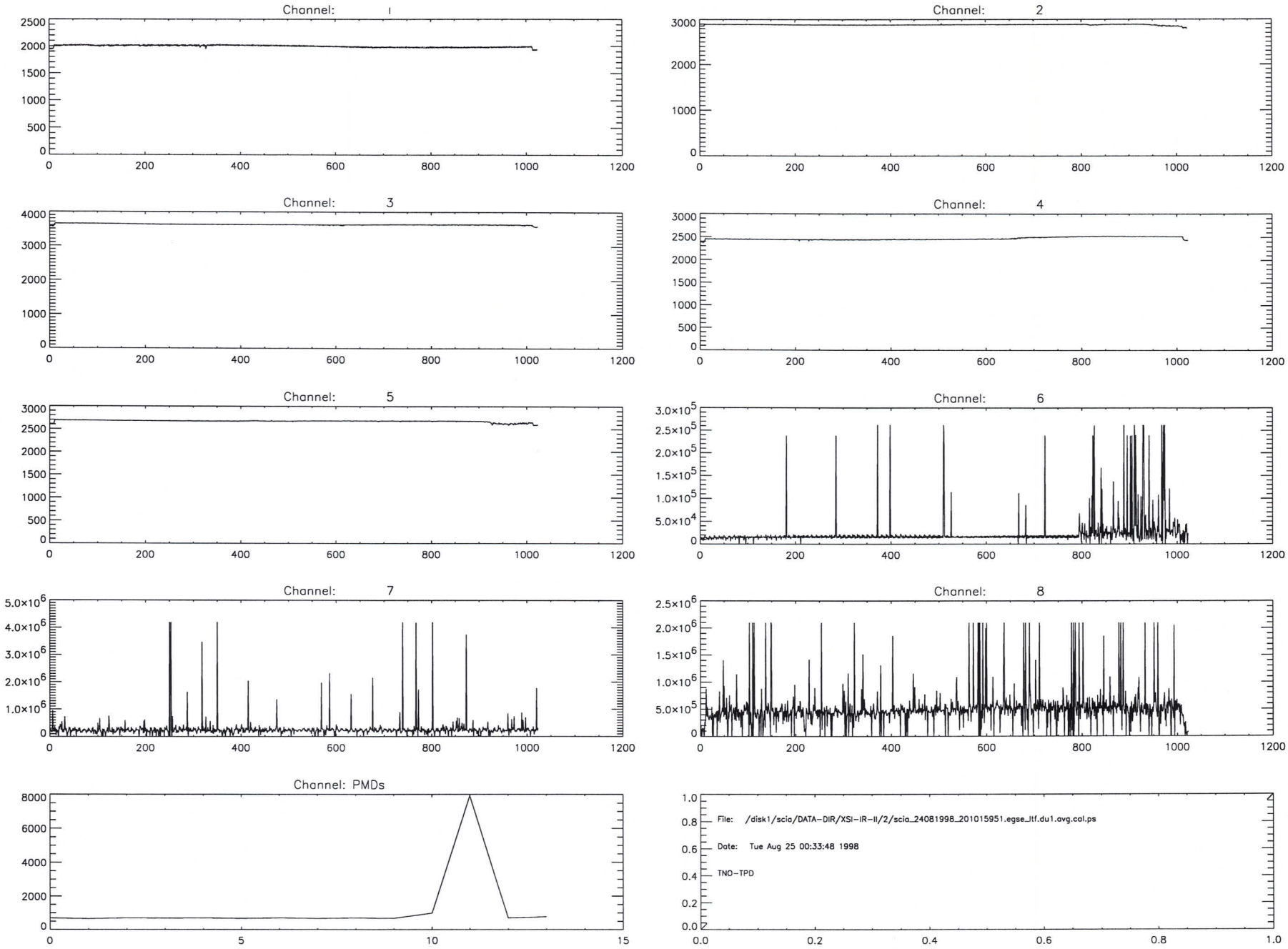
Check XSI visually	`idl do_xsi_processing`
	`lpr -P<printer> *.data.ps`
	Value of XSI resembles expected XSI (see [Predicted PFMcalibration results])? (Y) N
	Add postscript images to logbook, done (Y) N
		In IDL window
		In DATA-DIR window

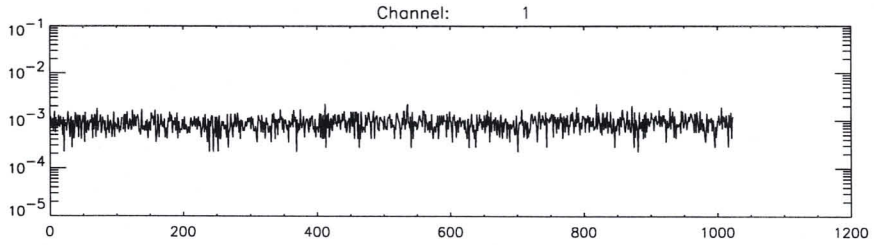
Print logfiles	`lpr -P<printer> *.data.log` Add logfiles to logbook, done (Y) N	

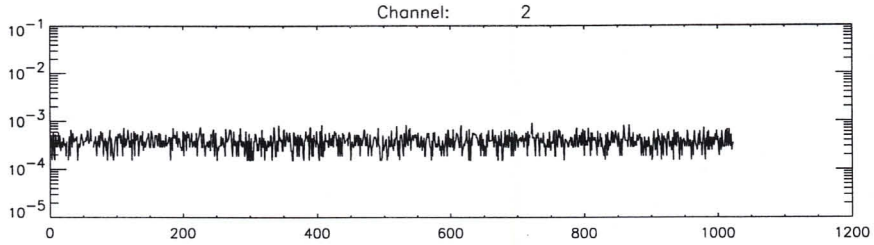
Back up	Create 3 sets of backup CDs of directory <DIR-NAME> (One CD has a capacity of 600 Mbytes, the UNIX command `/usr/bin/du -k .` gives the number of kilo bytes in the current directory). Name of backup CDs 2508g81A	See analysis sheet BackUp

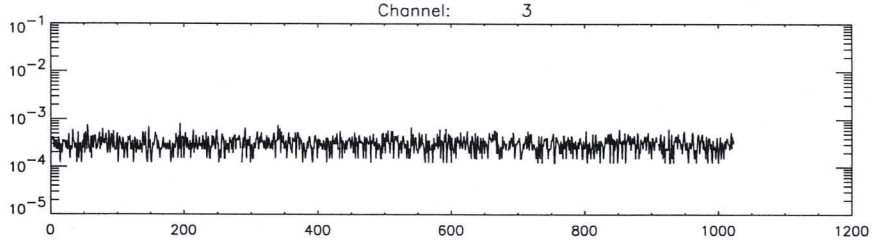
Sign:	Name	
	Date and time	P3 250898 0.15
	Signature	

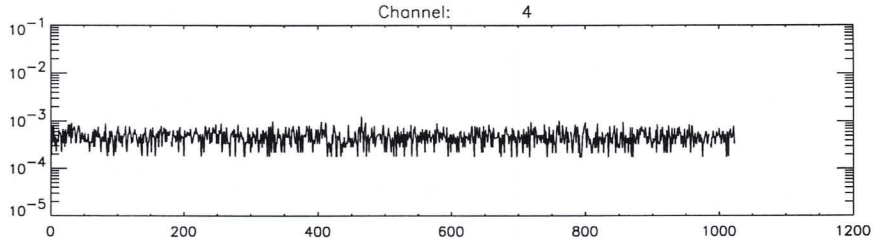
STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	PJ Nijssen 240898	
	What's the name of the (main) data input files that you want to store on the SUN named `scia6`?	scia-240898-20101 5951.dat (A)	
	Setup a three-window configuration on your SUN.		See course descr.
Do Transfer	Be sure that you are in the directory you want your files in ftp <internet-address>, where you can find the address of the PC in the file `/etc/hosts` (entry: cdwpc). The address will also be next to you on paper (most probably). When asked for user, fill in: `anonymous`, when asked for an email address, fill in your email address on TPD. Set in binary: `binary` `mget *` (and return `y` to every file). `bye`		In DATA-DIR window In DATA window Approx. 140 kB
Sign:	Name Date and time Signature	PJ 24 08 98 22:15	

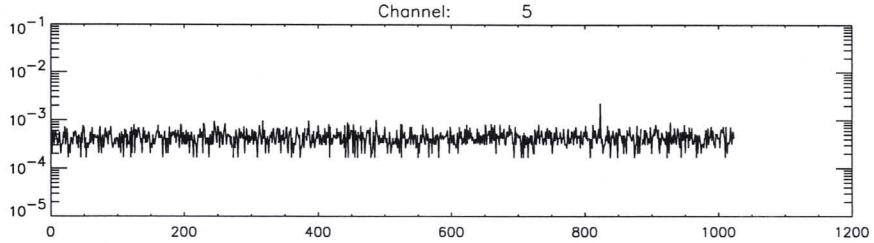

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_itf.du1.avg.cal.ps
Date: Tue Aug 25 00:33:48 1998
TNO-TPD

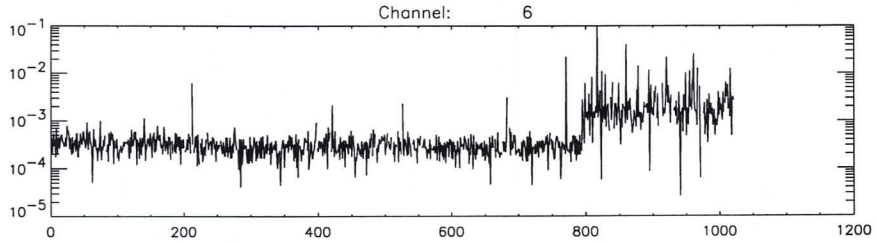

Channel: 1

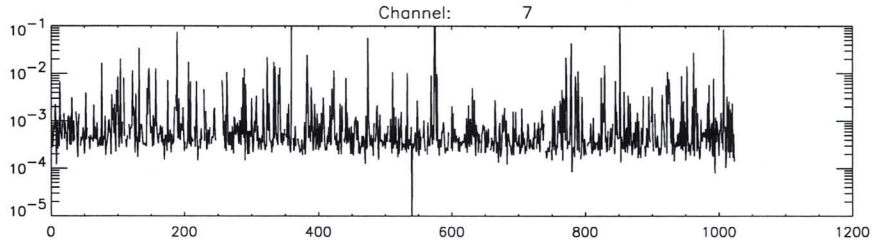

Channel: 2

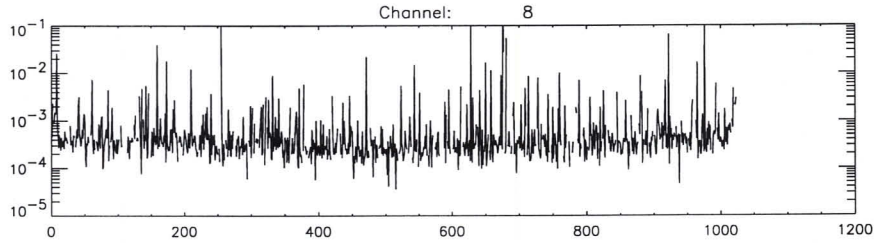

Channel: 3

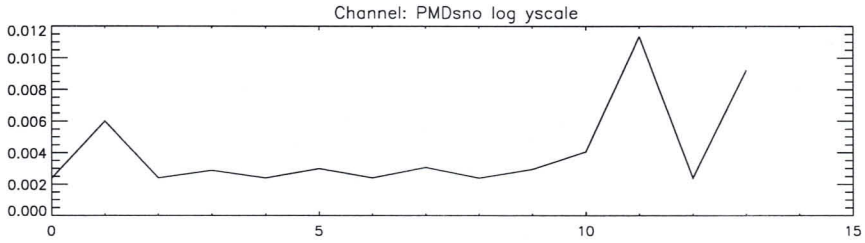

Channel: 4

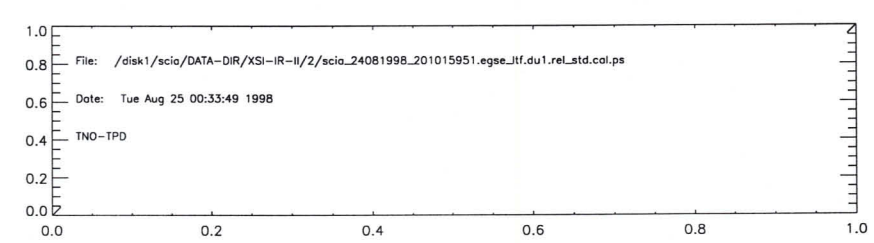

Channel: 5

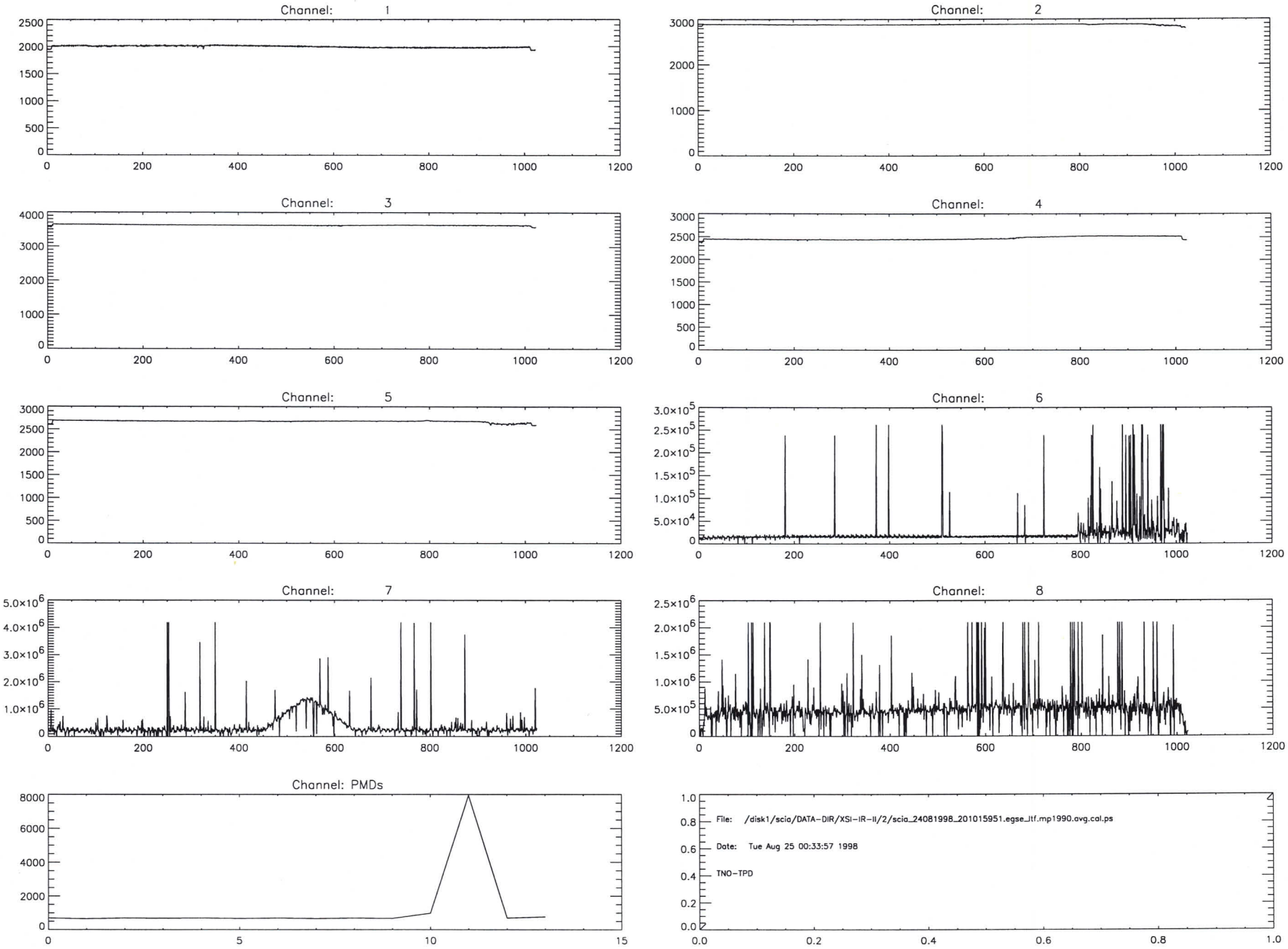

Channel: 6

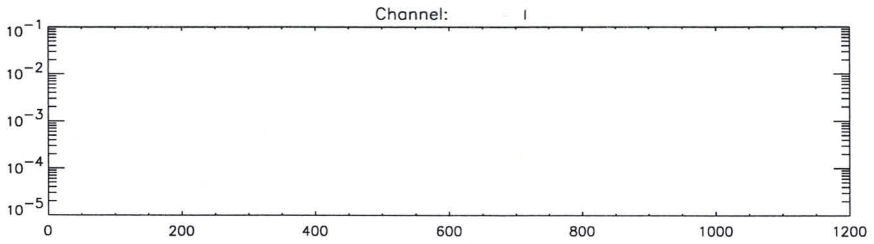

Channel: 7

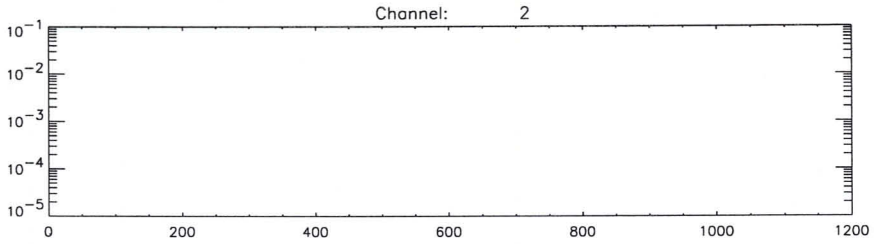

Channel: 8

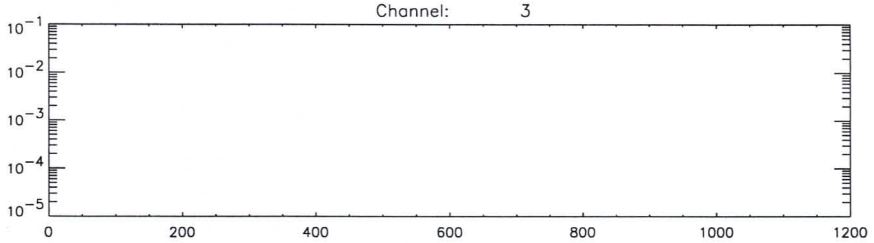

Channel: PMDsno log yscale

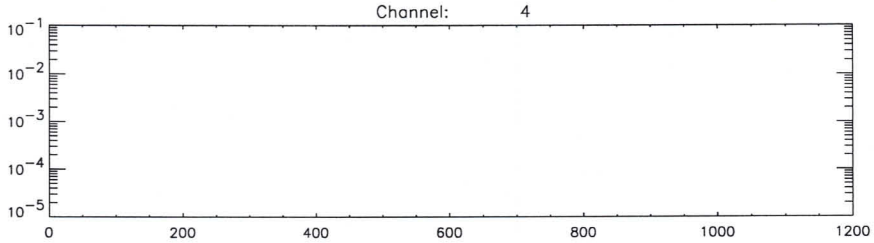

File: /disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_ltf.du1.rel_std.cal.ps
Date: Tue Aug 25 00:33:49 1998
TNO-TPD

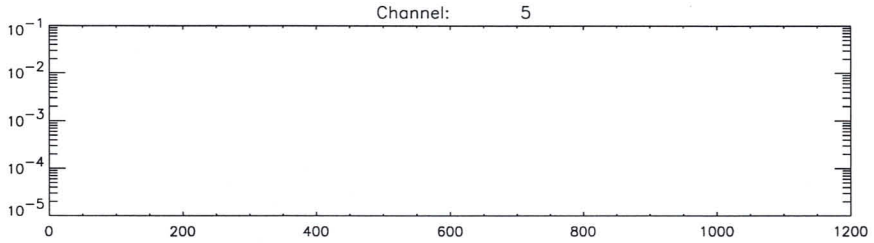

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_itf.mp1990.avg.cal.ps
Date: Tue Aug 25 00:33:57 1998
TNO-TPD

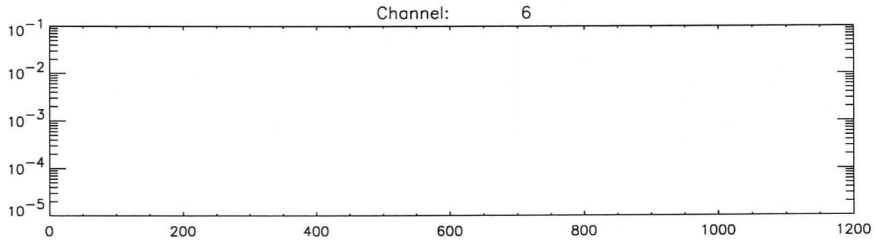

Channel: 1
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

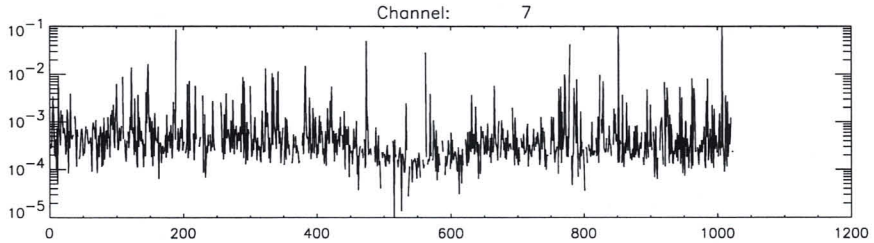

Channel: 2
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

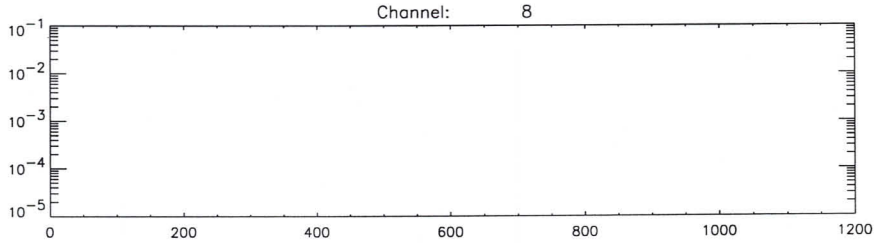

Channel: 3
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

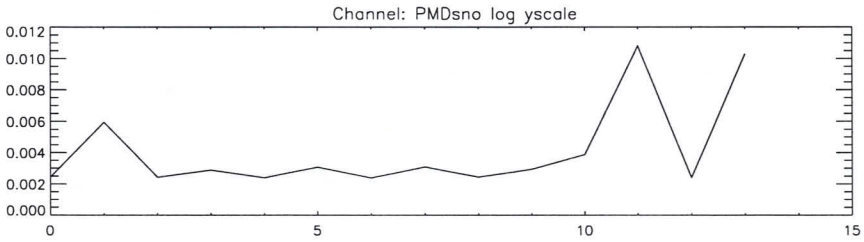

Channel: 4
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

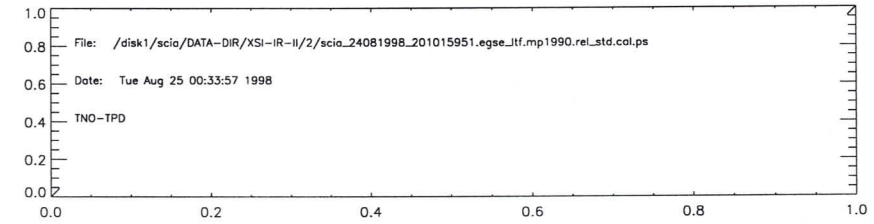

Channel: 5
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

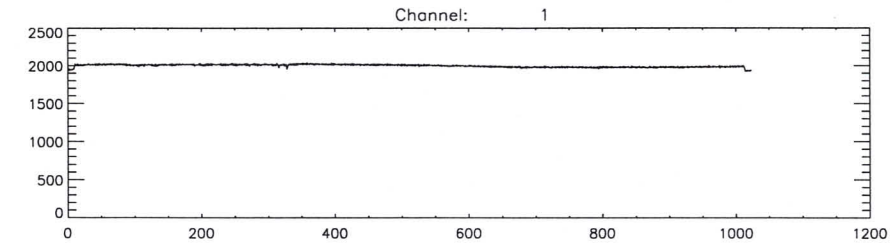

Channel: 6
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

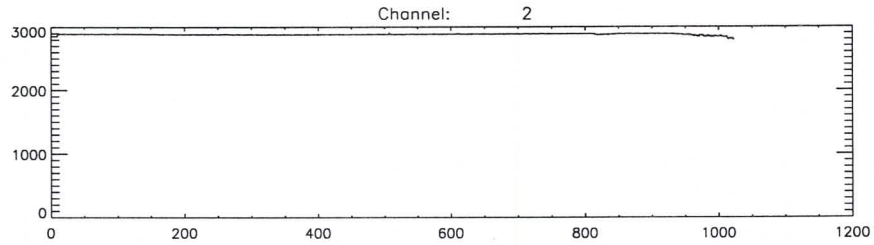

Channel: 7
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

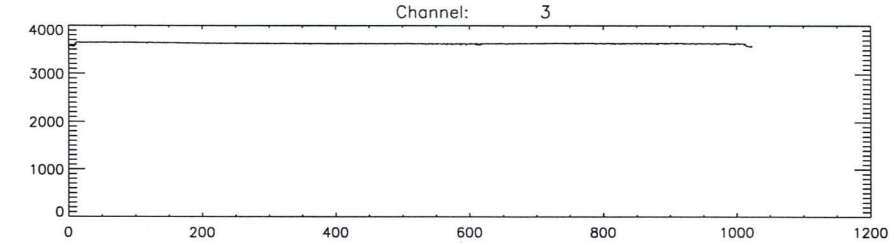

Channel: 8
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

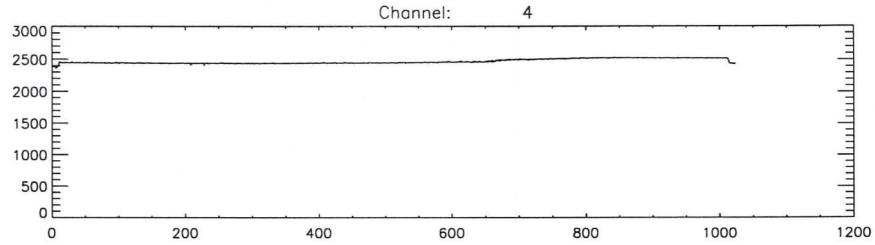

Channel: PMDsno log yscale
0.012
0.010
0.008
0.006
0.004
0.002
0.000
0
5
10
15

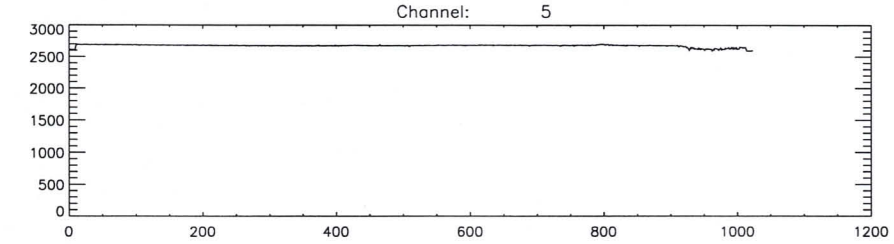

File: /disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_itf.mp1990.rel_std.cal.ps
Date: Tue Aug 25 00:33:57 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

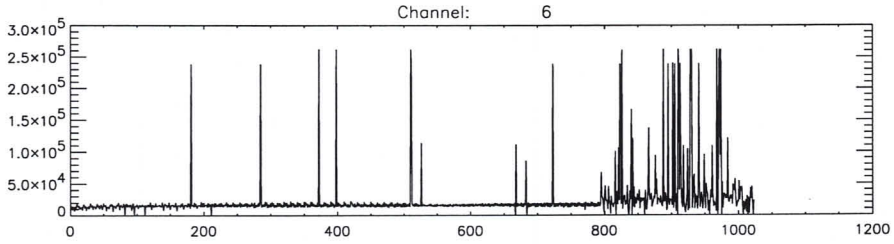

Channel: 1
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200

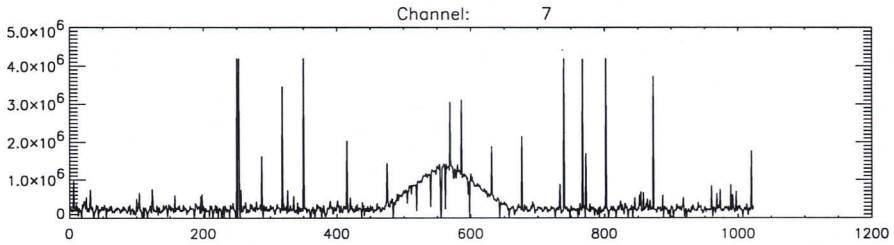

Channel: 2
3000
2000
1000
0
0
200
400
600
800
1000
1200

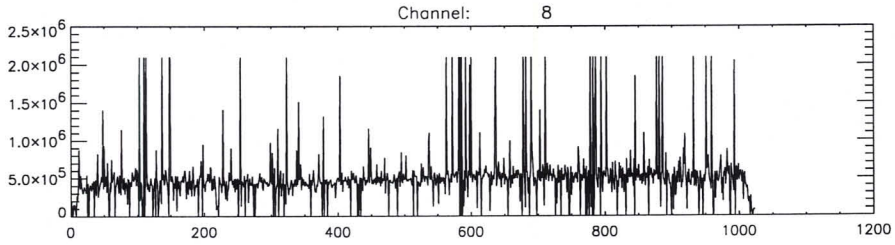

Channel: 3
4000
3000
2000
1000
0
0
200
400
600
800
1000
1200

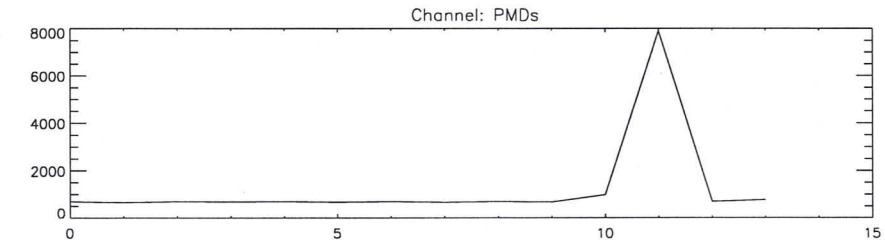

Channel: 4
3000
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200

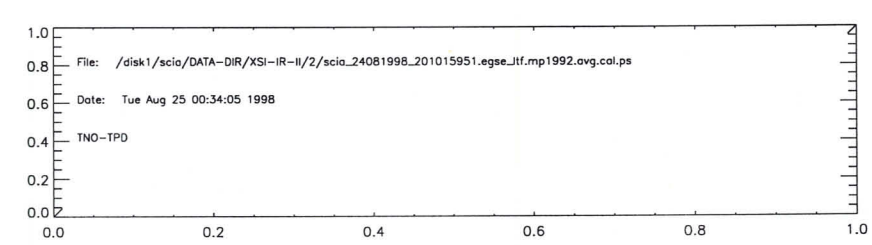

Channel: 5
3000
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200

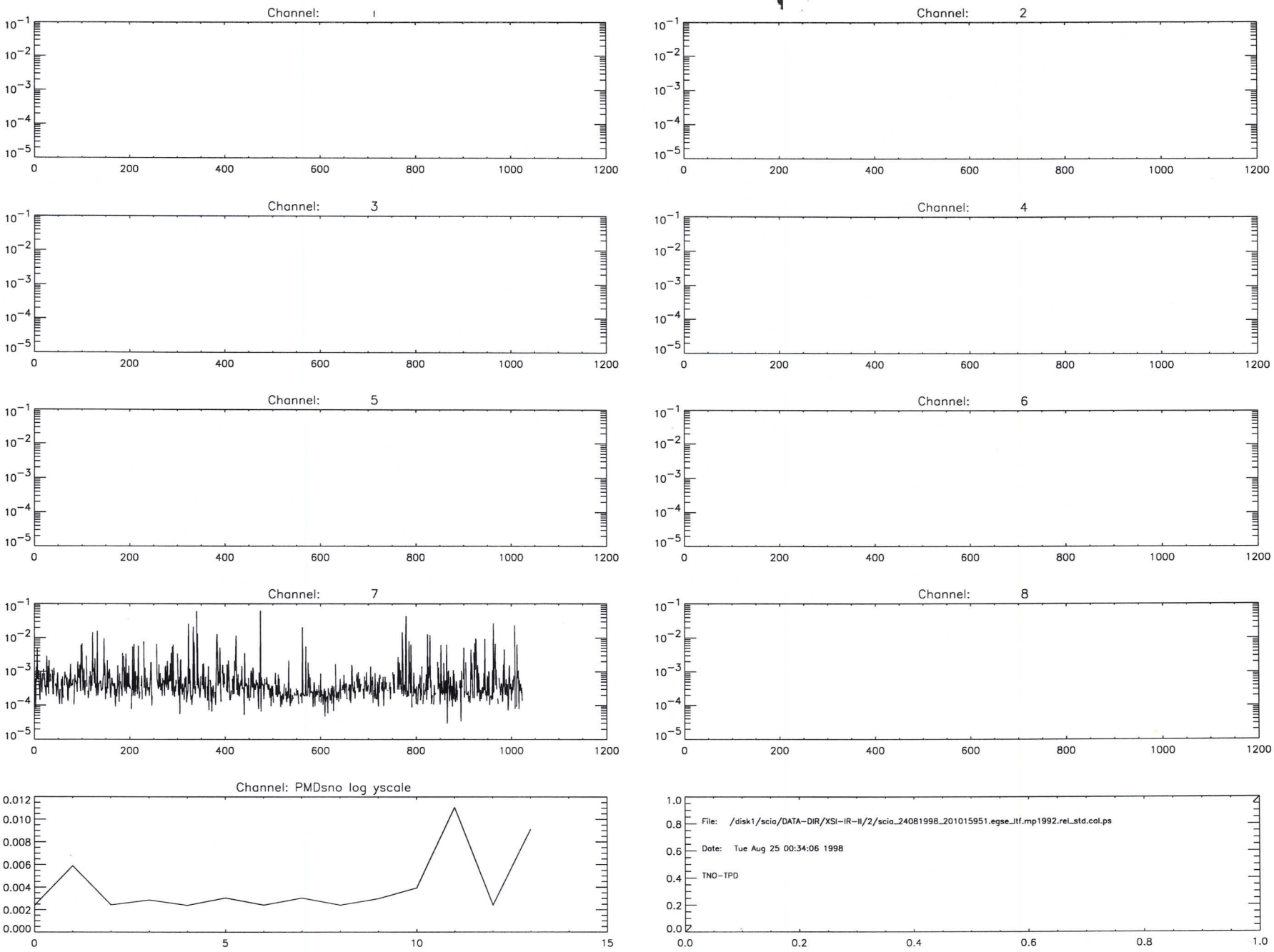

Channel: 6
3.0x10^5
2.5x10^5
2.0x10^5
1.5x10^5
1.0x10^5
5.0x10^4
0
0
200
400
600
800
1000
1200


Channel: 7
5.0x10^6
4.0x10^6
3.0x10^6
2.0x10^6
1.0x10^6
0
0
200
400
600
800
1000
1200


Channel: 8
2.5x10^6
2.0x10^6
1.5x10^6
1.0x10^6
5.0x10^5
0
0
200
400
600
800
1000
1200


Channel: PMDs
8000
6000
4000
2000
0
0
5
10
15


File: /disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_jtf.mp1992.avg.cal.ps
Date: Tue Aug 25 00:34:05 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

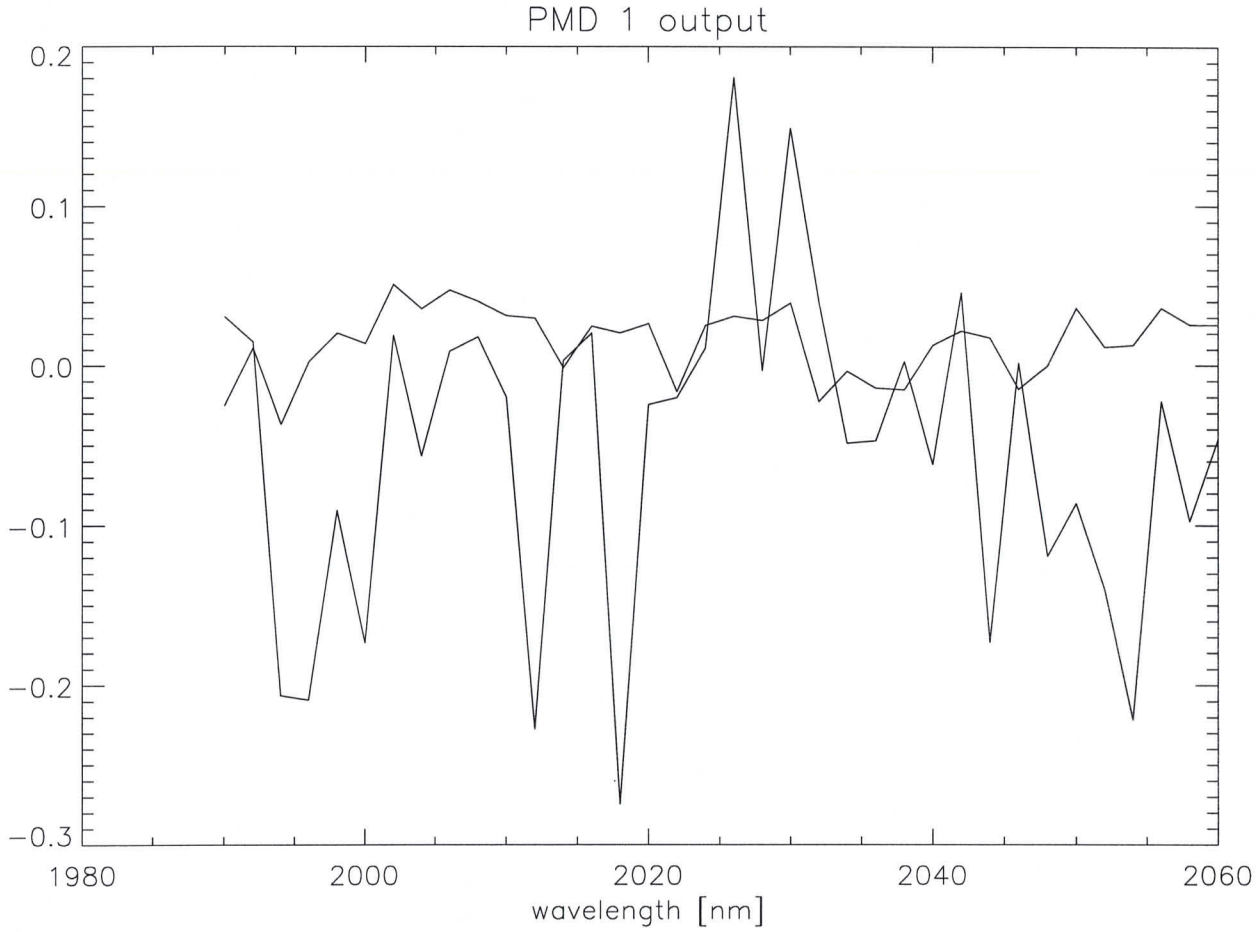

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDsno log yscale
File: /disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_itf.mp1992.rel_std.cal.ps
Date: Tue Aug 25 00:34:06 1998
TNO-TPD

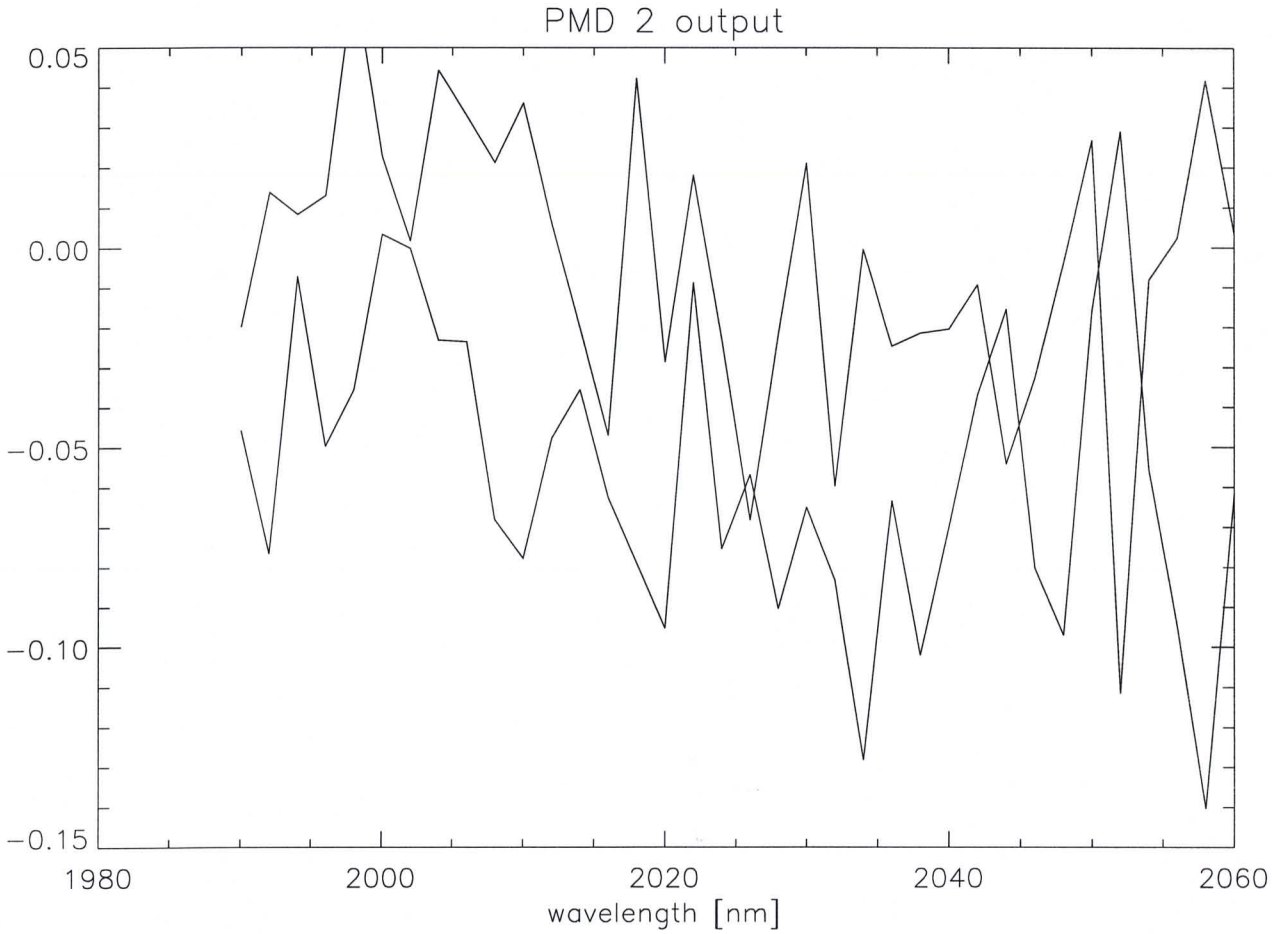
```
scia6[400]/disk1/scia/DATA-DIR/XSI-IR-II/2% ls *log
dapbchklog
dapbseqlog
scia_24081998_201015951.egse_ltf.du1.log
scia_24081998_201015951.egse_ltf.du2.log
scia_24081998_201015951.egse_ltf.mp1990.log
scia_24081998_201015951.egse_ltf.mp1992.log
scia_24081998_201015951.egse_ltf.mp1994.log
scia_24081998_201015951.egse_ltf.mp1996.log
scia_24081998_201015951.egse_ltf.mp1998.log
scia_24081998_201015951.egse_ltf.mp2000.log
scia_24081998_201015951.egse_ltf.mp2002.log
scia_24081998_201015951.egse_ltf.mp2004.log
scia_24081998_201015951.egse_ltf.mp2006.log
scia_24081998_201015951.egse_ltf.mp2008.log
scia_24081998_201015951.egse_ltf.mp2010.log
scia_24081998_201015951.egse_ltf.mp2012.log
scia_24081998_201015951.egse_ltf.mp2014.log
scia_24081998_201015951.egse_ltf.mp2016.log
scia_24081998_201015951.egse_ltf.mp2018.log
scia_24081998_201015951.egse_ltf.mp2020.log
scia_24081998_201015951.egse_ltf.mp2022.log
scia_24081998_201015951.egse_ltf.mp2024.log
scia_24081998_201015951.egse_ltf.mp2026.log
scia_24081998_201015951.egse_ltf.mp2028.log
scia_24081998_201015951.egse_ltf.mp2030.log
scia_24081998_201015951.egse_ltf.mp2032.log
scia_24081998_201015951.egse_ltf.mp2034.log
scia_24081998_201015951.egse_ltf.mp2036.log
scia_24081998_201015951.egse_ltf.mp2038.log
scia_24081998_201015951.egse_ltf.mp2040.log
scia_24081998_201015951.egse_ltf.mp2042.log
scia_24081998_201015951.egse_ltf.mp2044.log
scia_24081998_201015951.egse_ltf.mp2046.log
scia_24081998_201015951.egse_ltf.mp2048.log
scia_24081998_201015951.egse_ltf.mp2050.log
scia_24081998_201015951.egse_ltf.mp2052.log
scia_24081998_201015951.egse_ltf.mp2054.log
scia_24081998_201015951.egse_ltf.mp2056.log
scia_24081998_201015951.egse_ltf.mp2058.log
scia_24081998_201015951.egse_ltf.mp2060.log
```

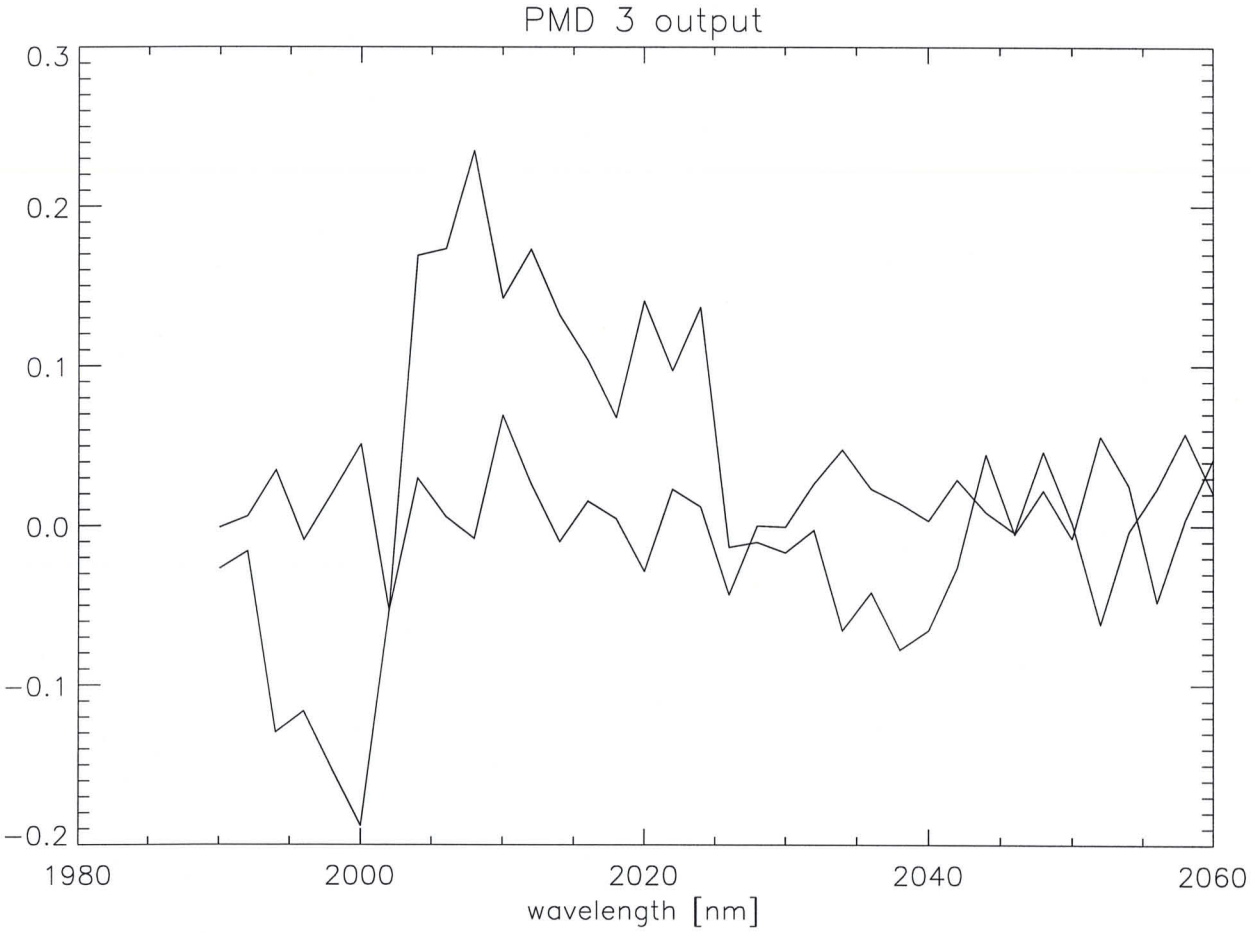
```
time       = Tue Aug 25 00:33:49 1998
batch      = du1
Start TOD = Mon 24-Aug-98 20:10:26
End   TOD = Mon 24-Aug-98 20:21:49
Processing= computation of average, standard dev. and rel.standard dev.
time       = Tue Aug 25 00:38:44 1998
batch      = du2
Start TOD = Mon 24-Aug-98 21:19:26
End   TOD = Mon 24-Aug-98 21:26:52
Processing= computation of average, standard dev. and rel.standard dev.
time       = Tue Aug 25 00:33:57 1998
batch      = mp1990
Start TOD = Mon 24-Aug-98 20:21:49
End   TOD = Mon 24-Aug-98 20:23:21
Processing= computation of average, standard dev. and rel.standard dev.
time       = Tue Aug 25 00:34:06 1998
batch      = mp1992
Start TOD = Mon 24-Aug-98 20:23:21
End   TOD = Mon 24-Aug-98 20:24:55
Processing= computation of average, standard dev. and rel.standard dev.
```

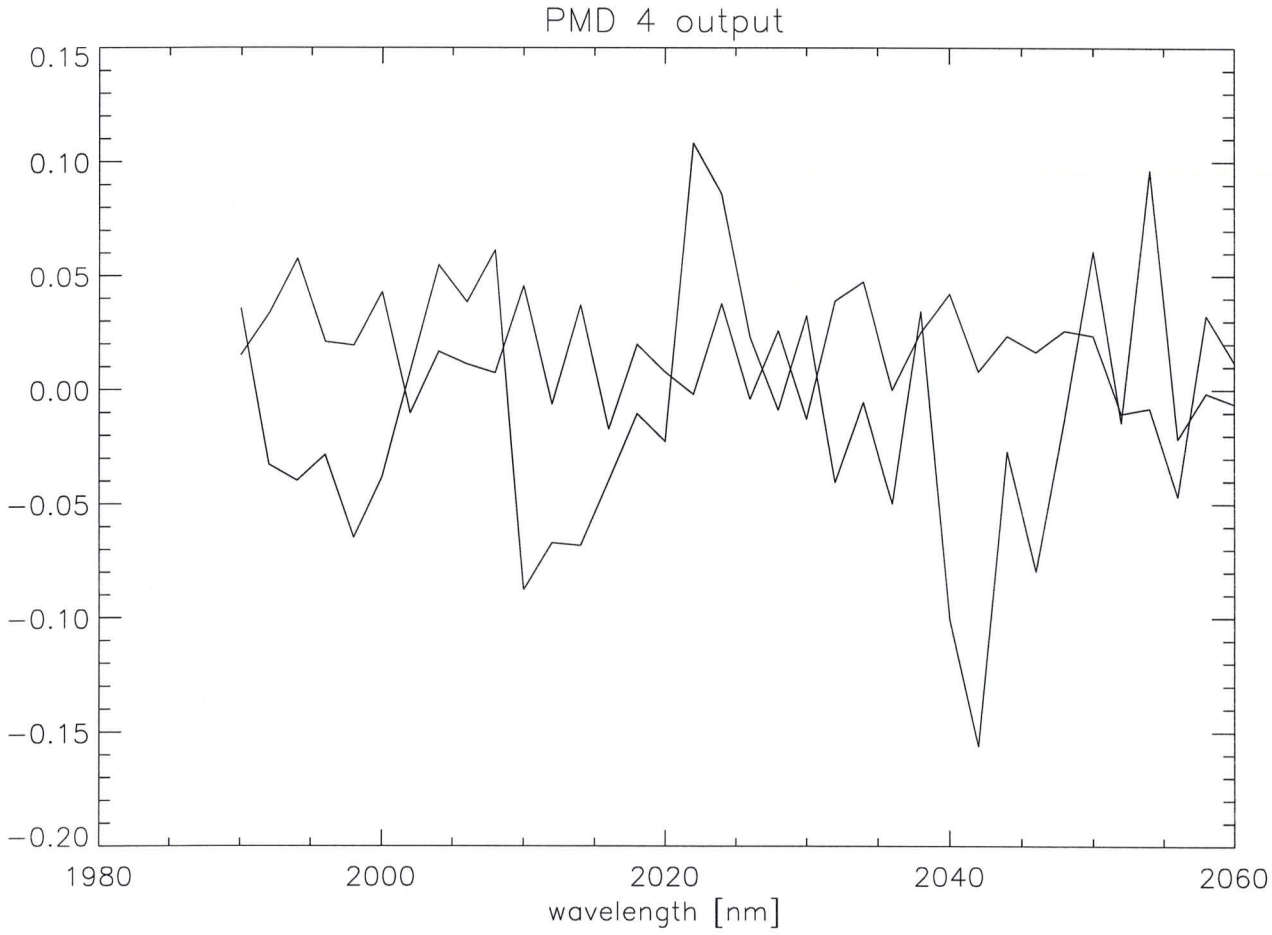
```
1990    2025    scia_24081998_201015951.egse_ltf.du1.avg.cal
2026    2060    scia_24081998_201015951.egse_ltf.du2.avg.cal
```

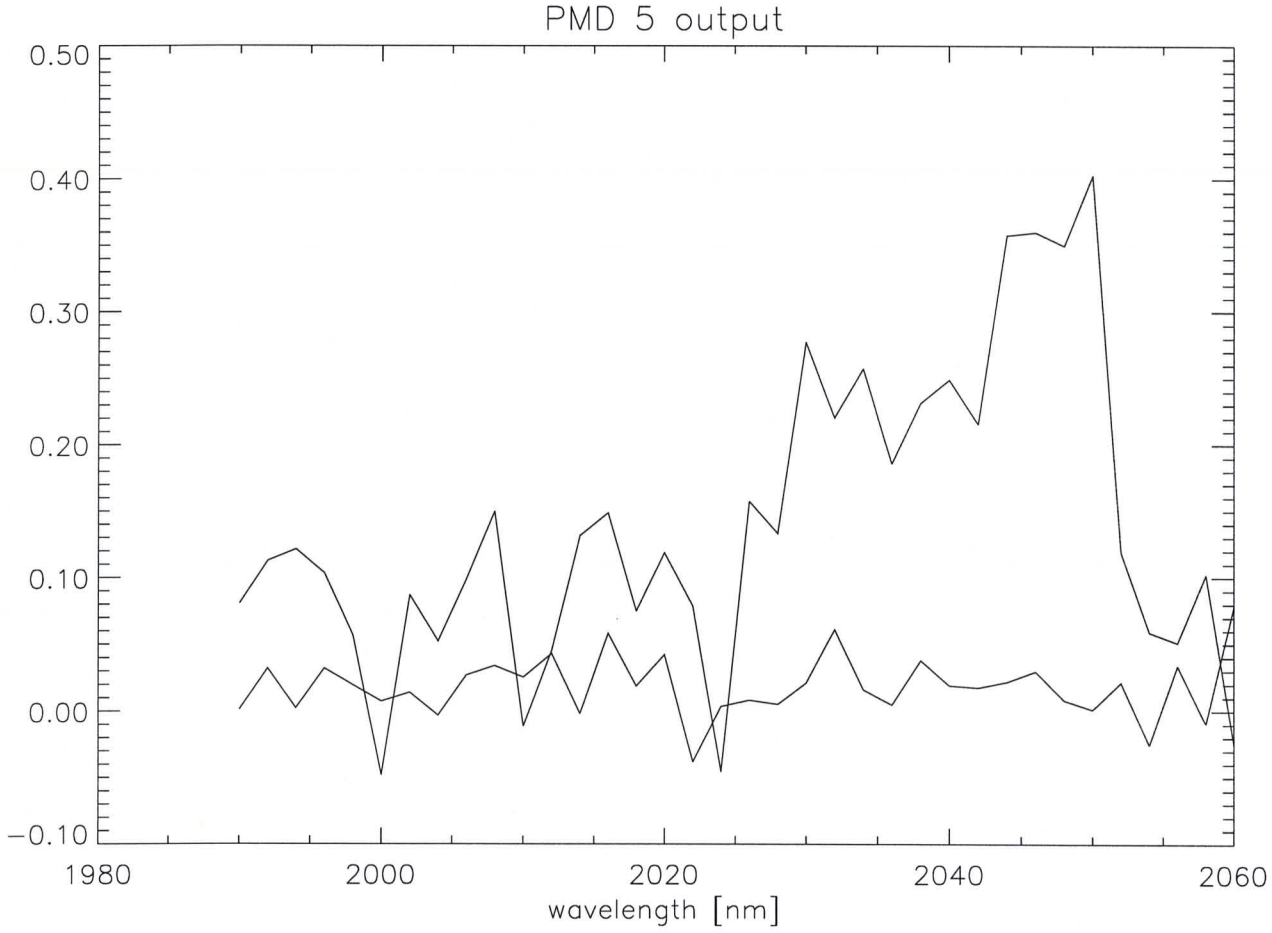
control-file

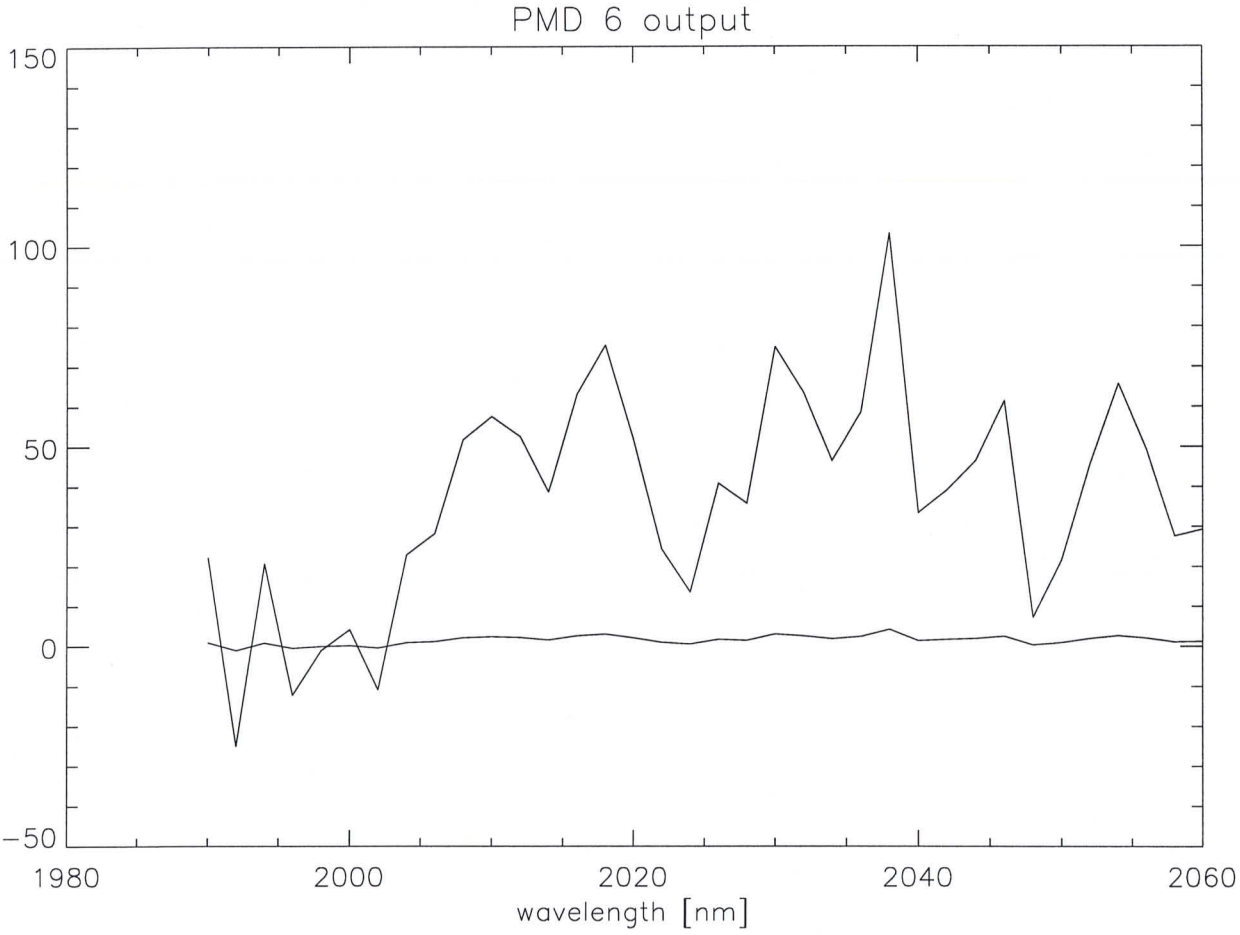

PMD 1 output
0.2
0.1
0.0
−0.1
−0.2
−0.3
1980
2000
2020
2040
2060
wavelength [nm]

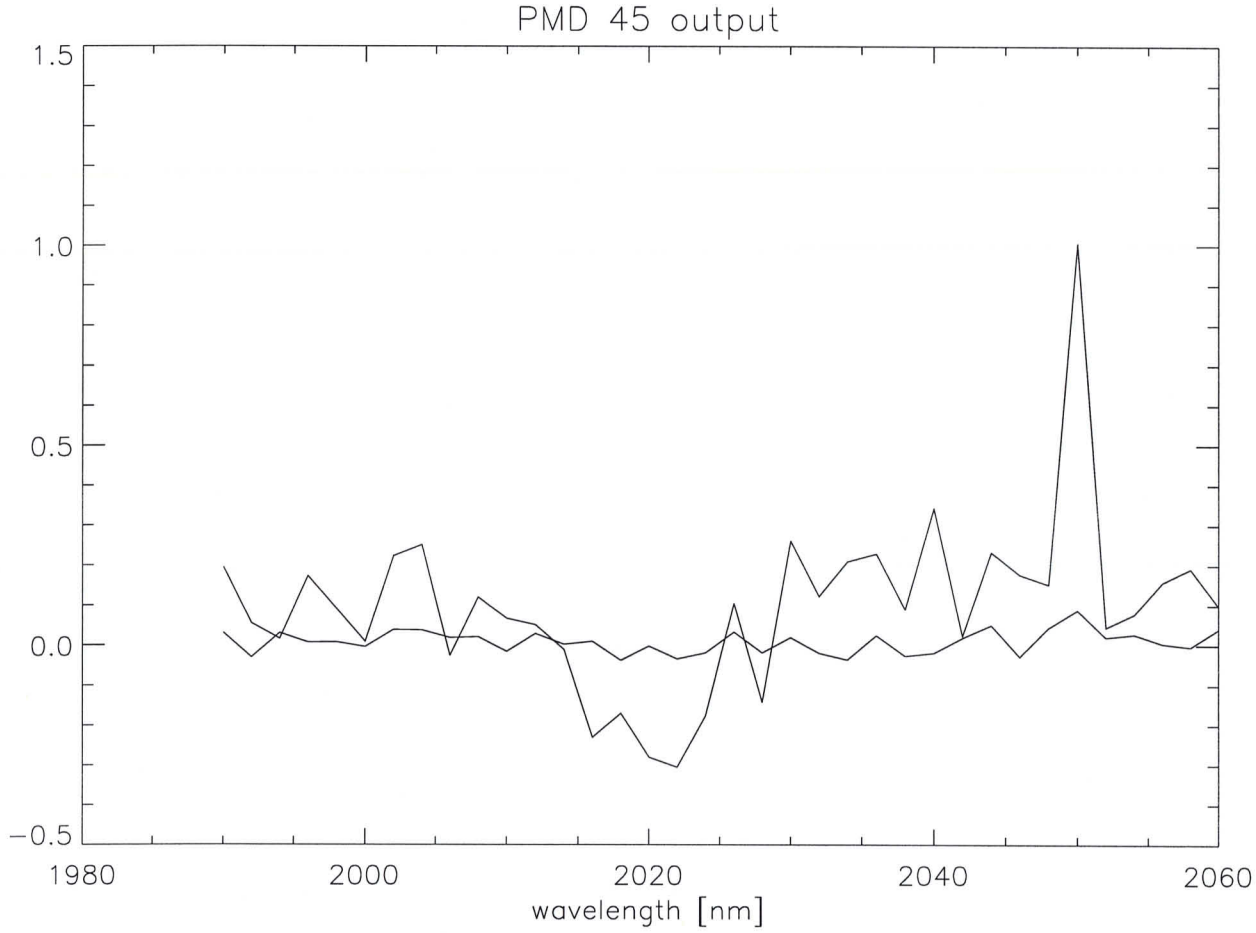

PMD 2 output
0.05
0.00
−0.05
−0.10
−0.15
1980
2000
2020
2040
2060
wavelength [nm]

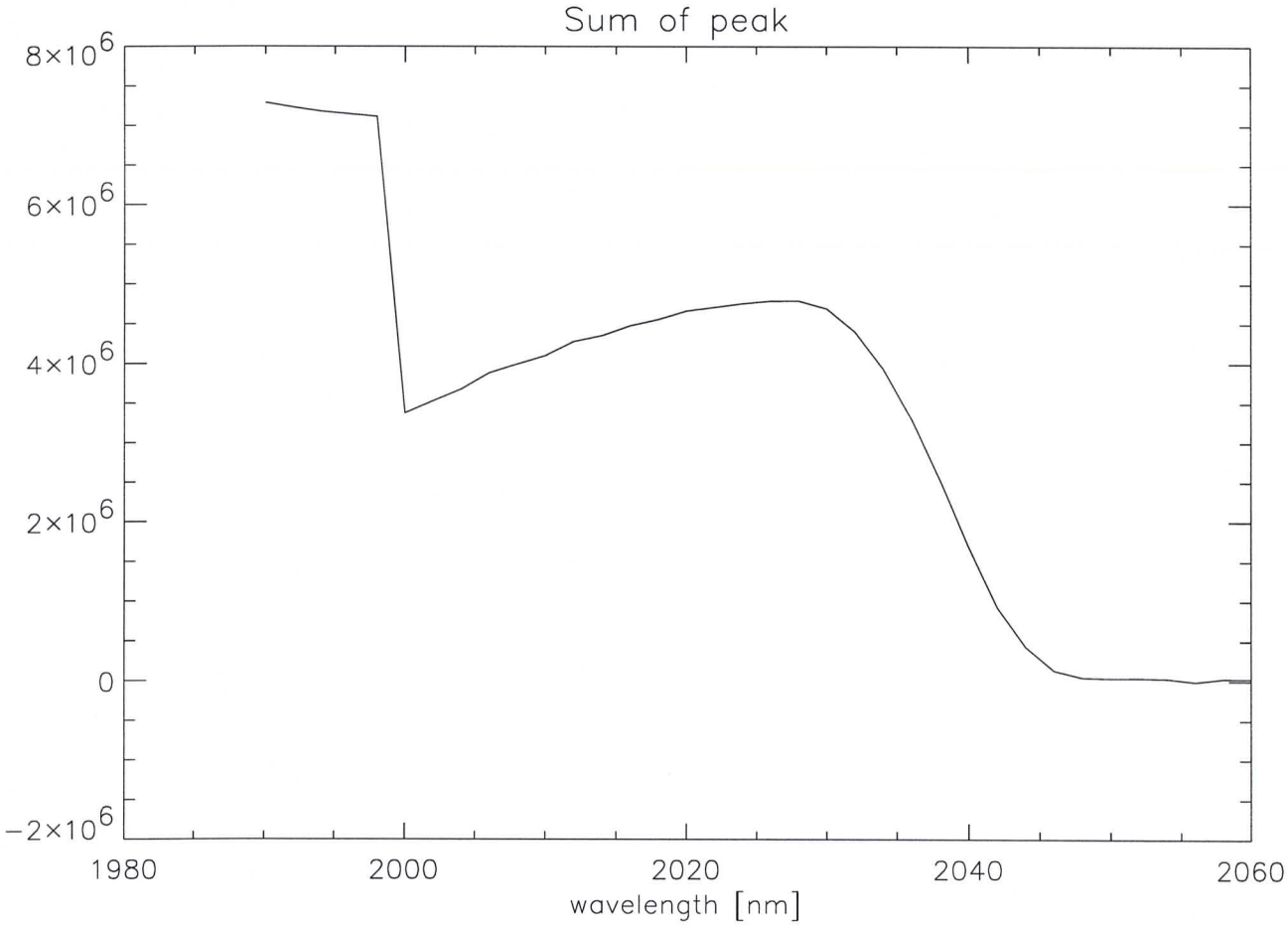

PMD 3 output
0.3
0.2
0.1
0.0
−0.1
−0.2
1980
2000
2020
2040
2060
wavelength [nm]

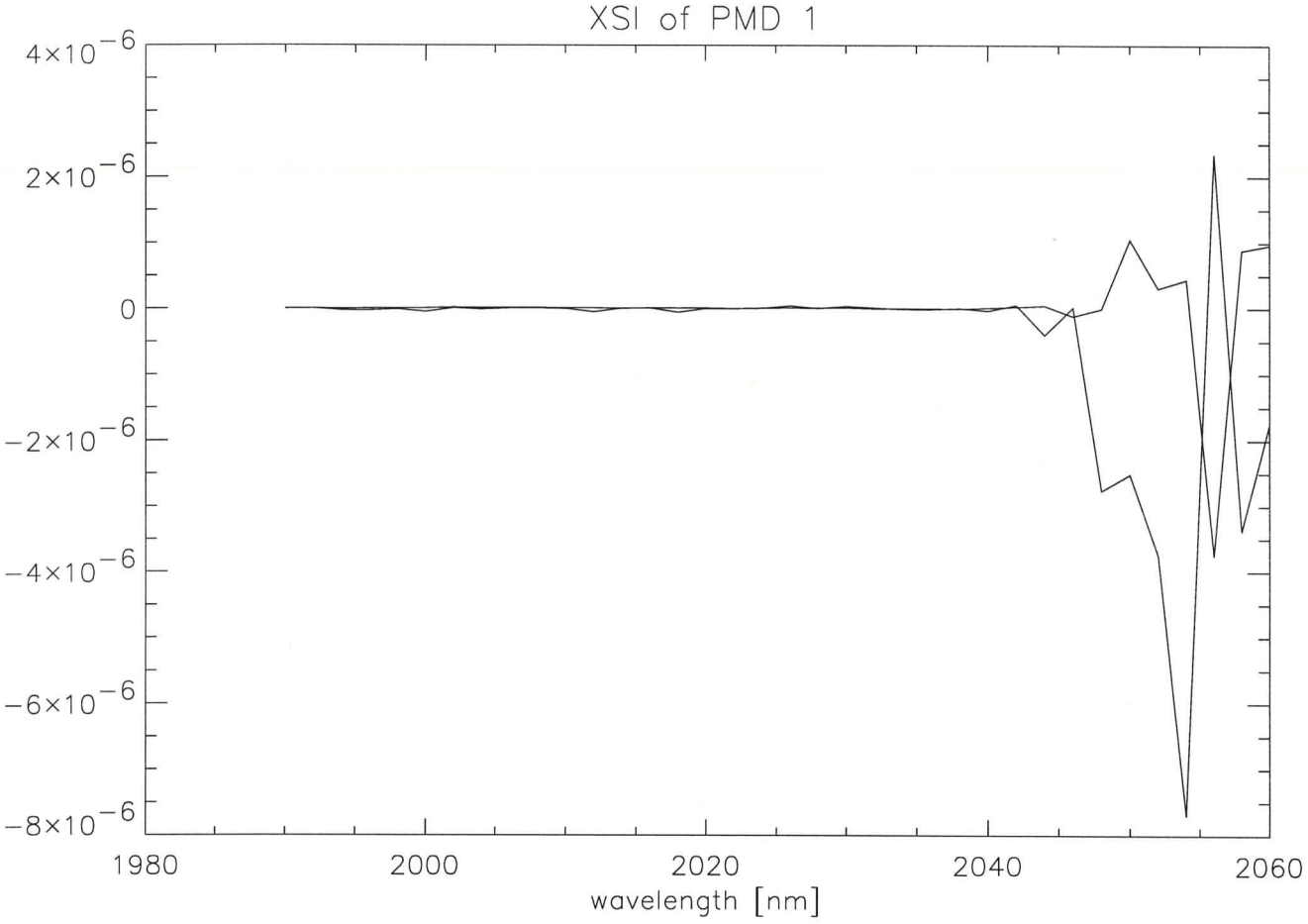

PMD 4 output
0.15
0.10
0.05
0.00
−0.05
−0.10
−0.15
−0.20
1980
2000
2020
2040
2060
wavelength [nm]

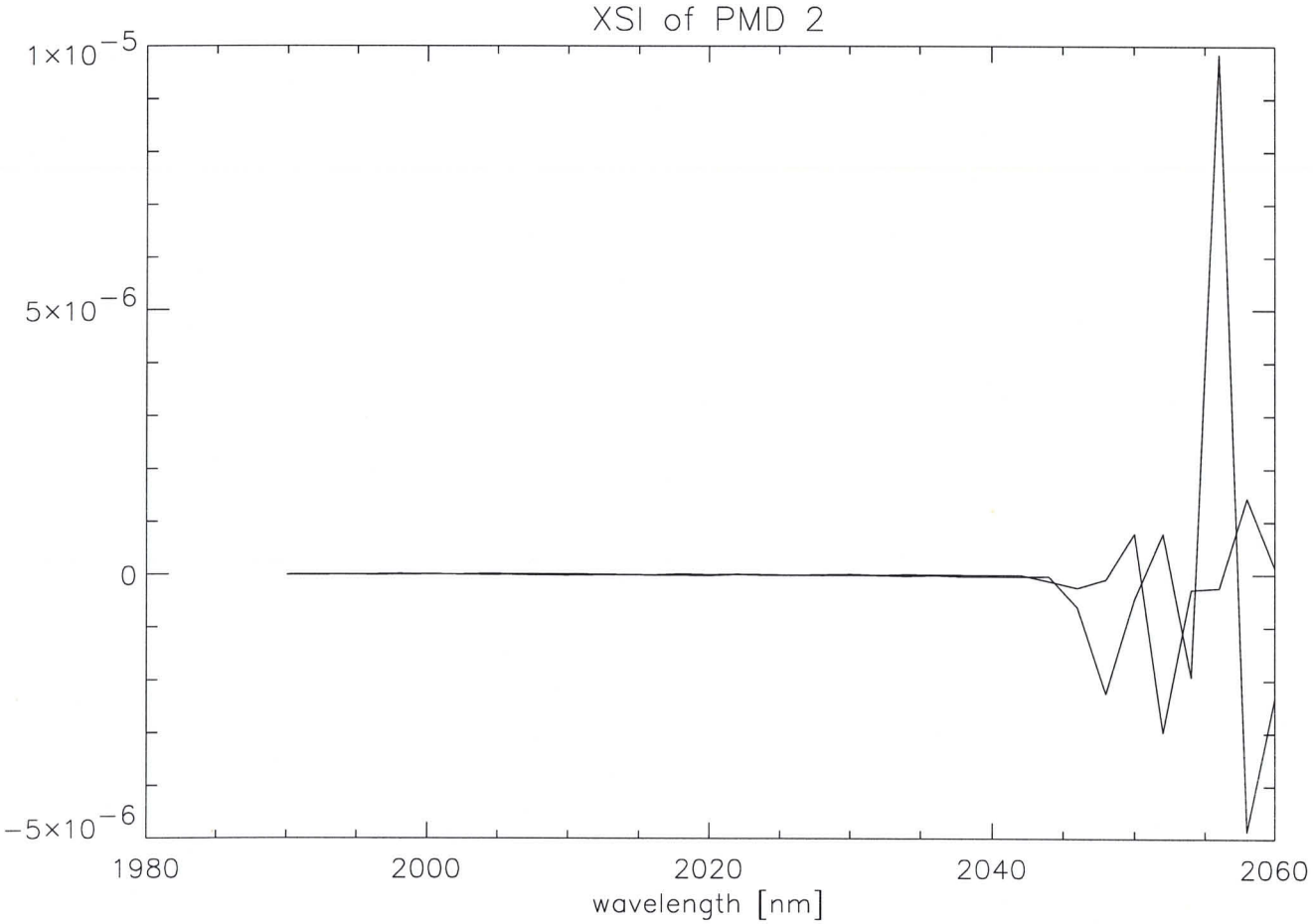

PMD 5 output
0.50
0.40
0.30
0.20
0.10
0.00
−0.10
1980
2000
2020
2040
2060
wavelength [nm]

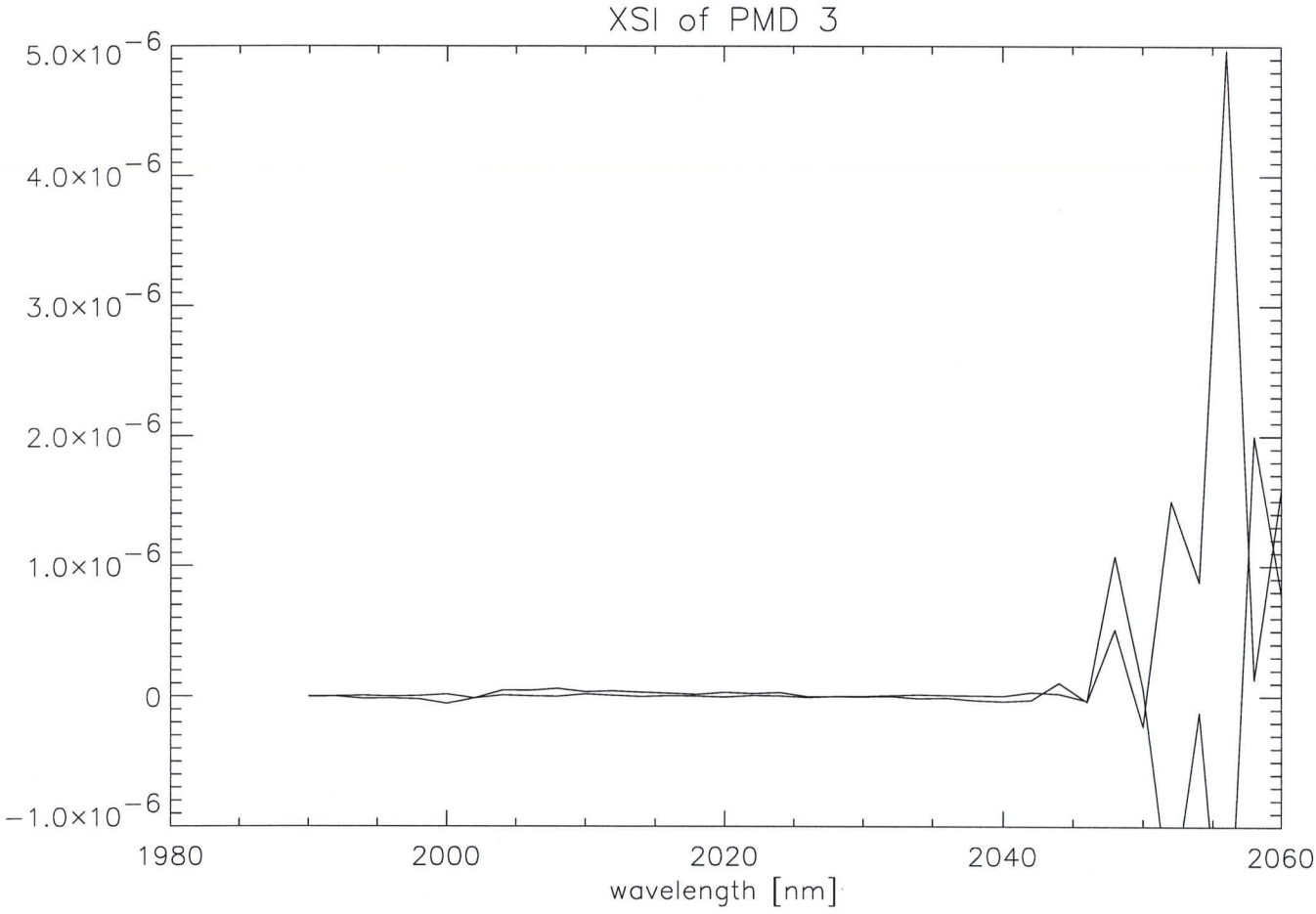

PMD 6 output
150
100
50
0
−50
1980
2000
2020
2040
2060
wavelength [nm]

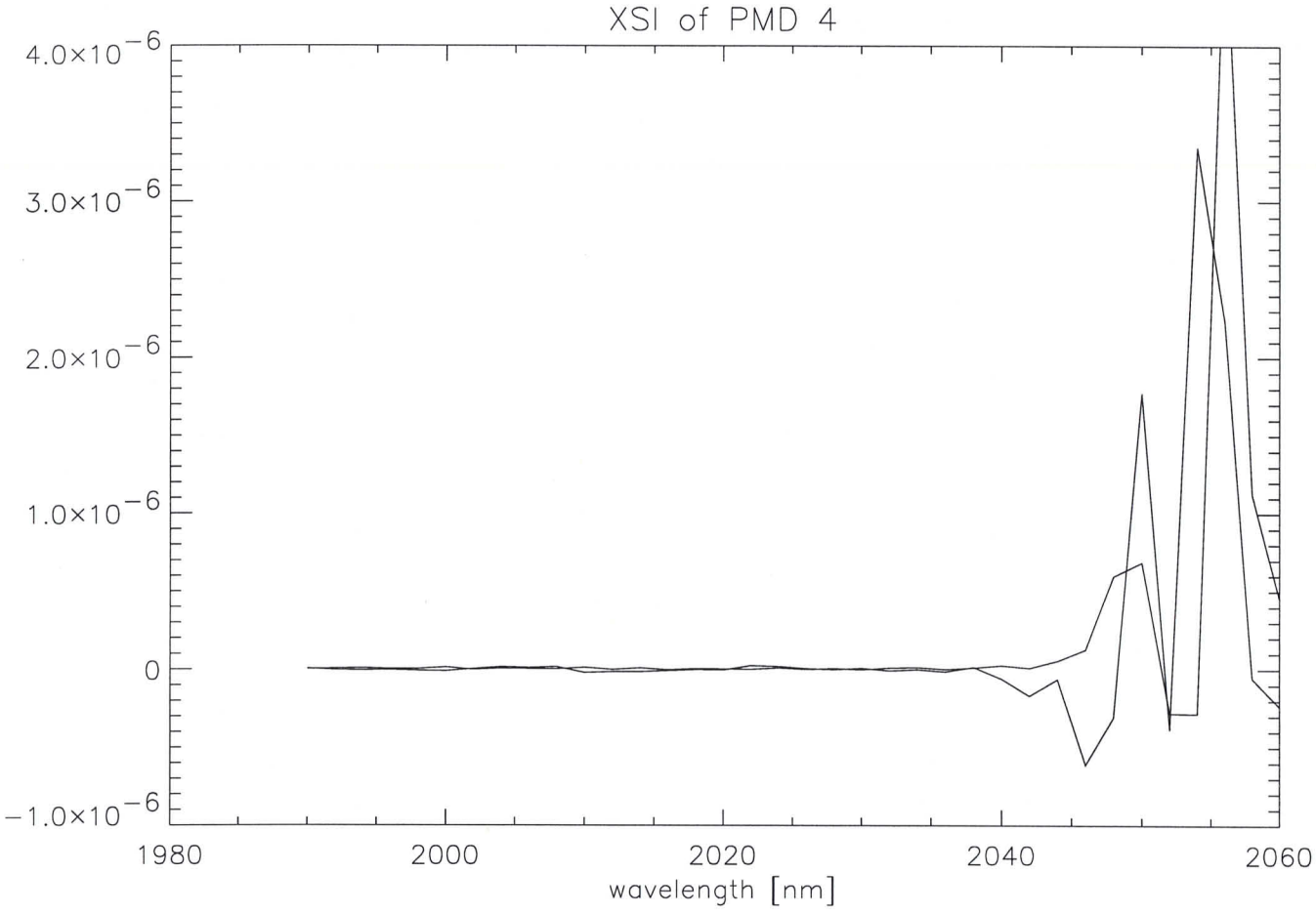

PMD 45 output
1.5
1.0
0.5
0.0
−0.5
1980
2000
2020
2040
2060
wavelength [nm]

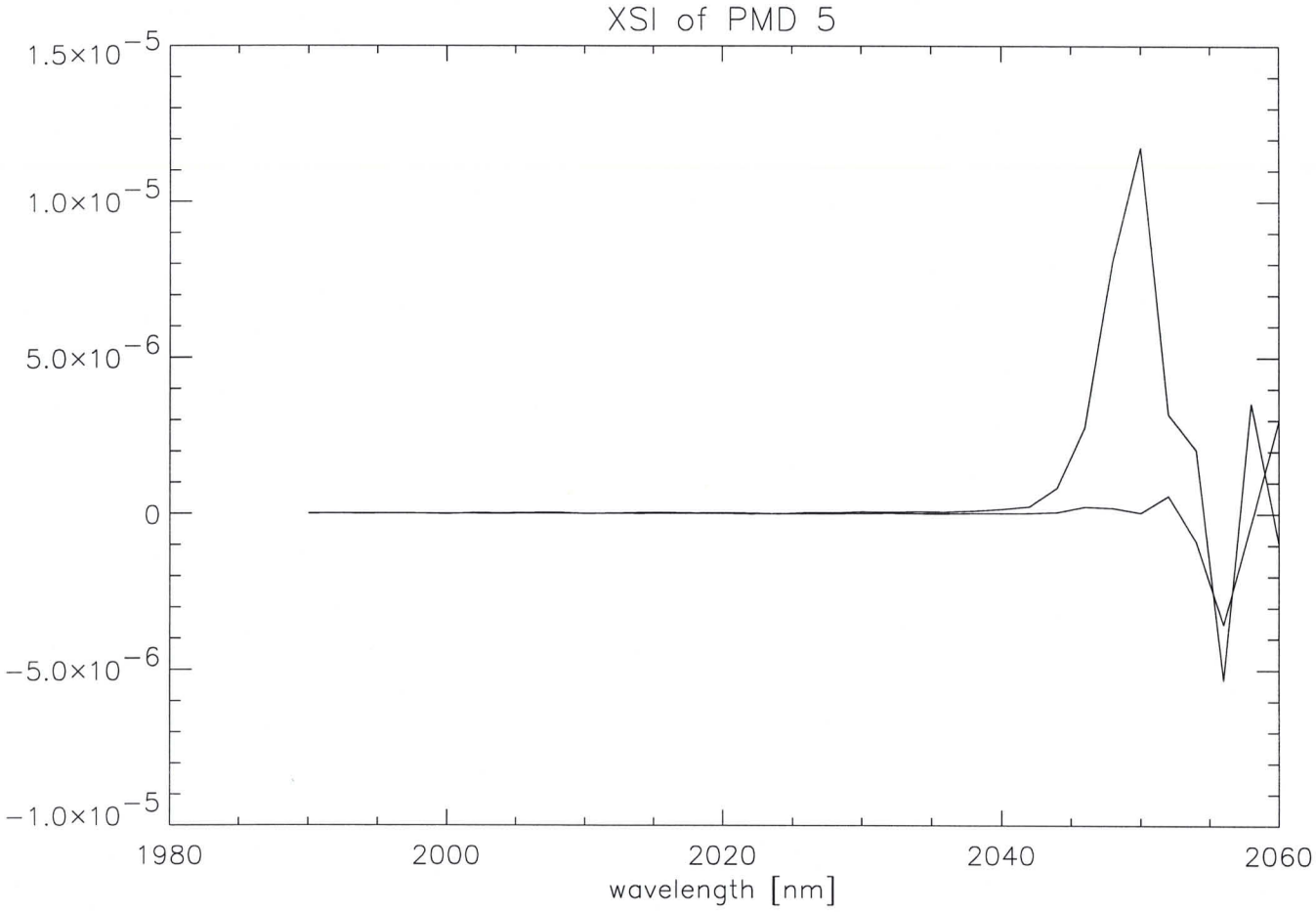

Sum of peak
8×10^6
6×10^6
4×10^6
2×10^6
0
−2×10^6
1980
2000
2020
2040
2060
wavelength [nm]

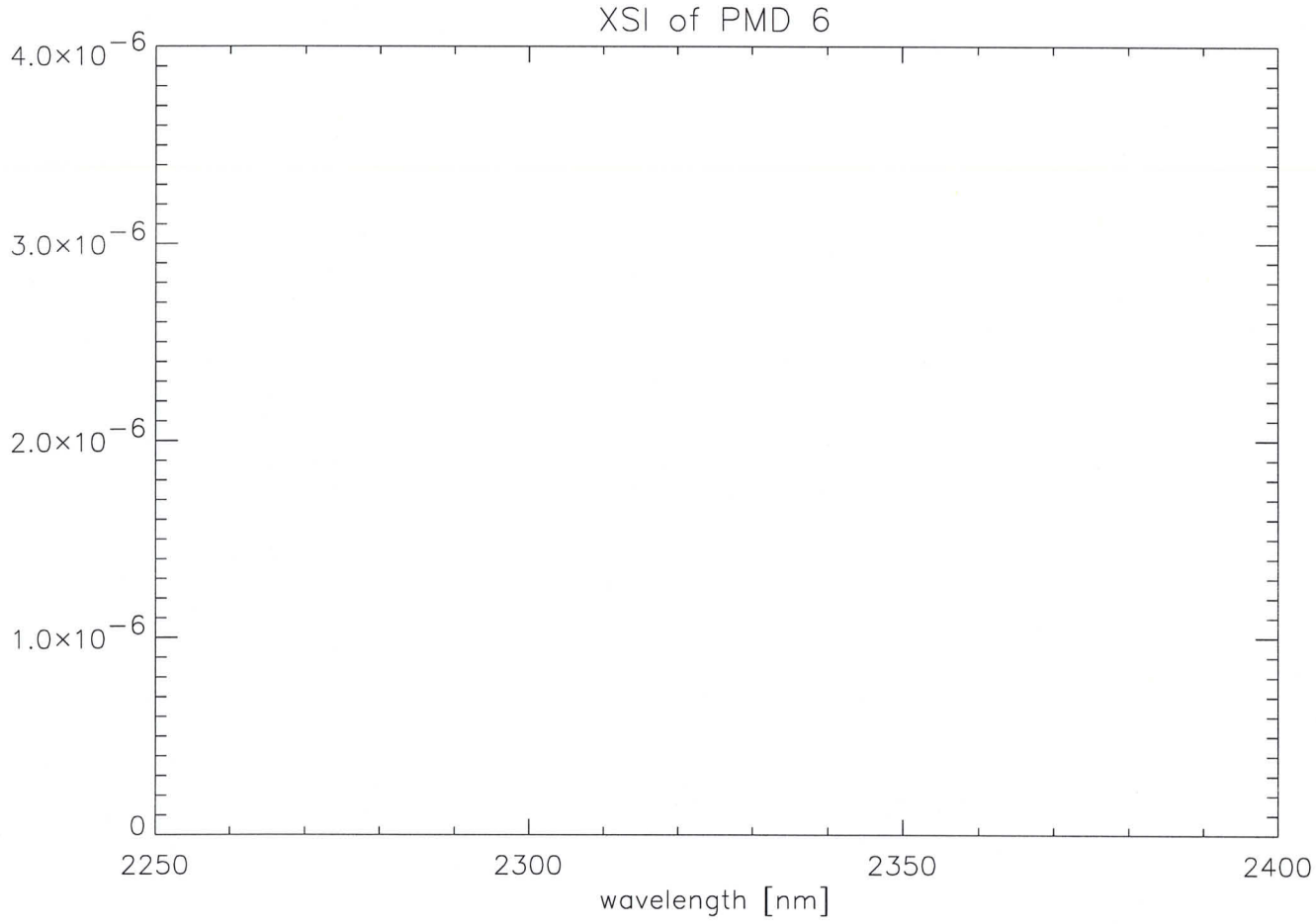

XSI of PMD 1
4×10⁻⁶
2×10⁻⁶
0
−2×10⁻⁶
−4×10⁻⁶
−6×10⁻⁶
−8×10⁻⁶
1980
2000
2020
2040
2060
wavelength [nm]

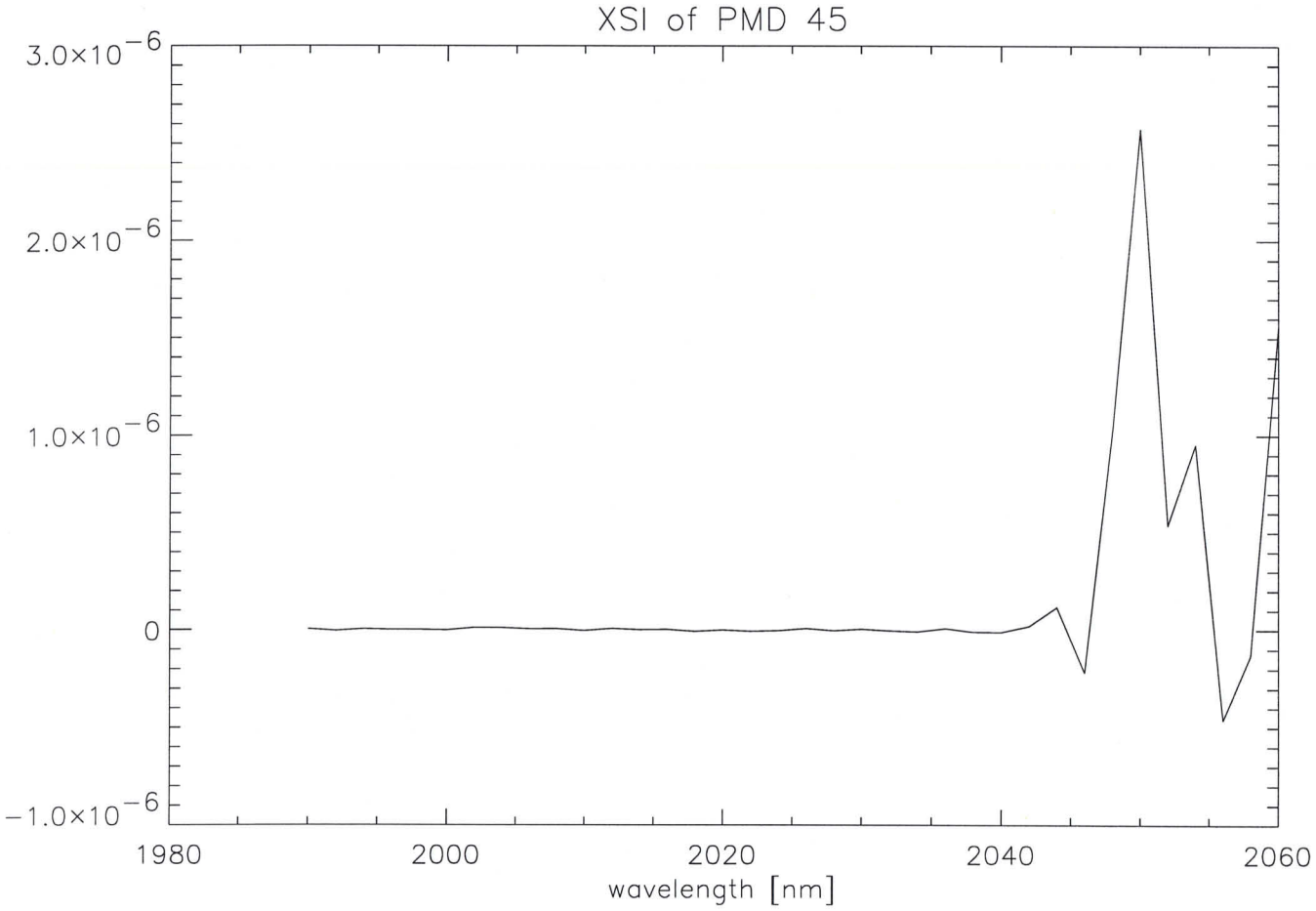

XSI of PMD 2
1×10−5
5×10−6
0
−5×10−6
1980
2000
2020
2040
2060
wavelength [nm]


XSI of PMD 3
5.0×10−6
4.0×10−6
3.0×10−6
2.0×10−6
1.0×10−6
0
−1.0×10−6
1980
2000
2020
2040
2060
wavelength [nm]


XSI of PMD 4
4.0×10−6
3.0×10−6
2.0×10−6
1.0×10−6
0
−1.0×10−6
1980
2000
2020
2040
2060
wavelength [nm]


XSI of PMD 5
1.5×10−5
1.0×10−5
5.0×10−6
0
−5.0×10−6
−1.0×10−5
1980
2000
2020
2040
2060
wavelength [nm]


XSI of PMD 6
4.0×10−6
3.0×10−6
2.0×10−6
1.0×10−6
0
2250
2300
2350
2400
wavelength [nm]


XSI of PMD 45
3.0×10−6
2.0×10−6
1.0×10−6
0
−1.0×10−6
1980
2000
2020
2040
2060
wavelength [nm]

```
Version:  0.1
Input files:  /disk1/scia/DATA-DIR/XSI-IR-II/2/control-file
 scia_24081998_201015951.egse_ltf.du1.avg.cal
 scia_24081998_201015951.egse_ltf.du2.avg.cal
 /disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_ltf.mp1990.avg.
 /disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_ltf.mp1992.avg.
 /disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_ltf.mp1994.avg.
 /disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_ltf.mp1996.avg.
 /disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_ltf.mp1998.avg.
 /disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_ltf.mp2000.avg.
 /disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_ltf.mp2002.avg.
 /disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_ltf.mp2004.avg.
 /disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_ltf.mp2006.avg.
 /disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_ltf.mp2008.avg.
 /disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_ltf.mp2010.avg.
 /disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_ltf.mp2012.avg.
 /disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_ltf.mp2014.avg.
 /disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_ltf.mp2016.avg.
 /disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_ltf.mp2018.avg.
 /disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_ltf.mp2020.avg.
 /disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_ltf.mp2022.avg.
 /disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_ltf.mp2024.avg.
   isk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_ltf.mp2026.avg.
 /disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_ltf.mp2028.avg.
 /disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_ltf.mp2030.avg.
 /disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_ltf.mp2032.avg.
 /disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_ltf.mp2034.avg.
 /disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_ltf.mp2036.avg.
 /disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_ltf.mp2038.avg.
 /disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_ltf.mp2040.avg.
 /disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_ltf.mp2042.avg.
 /disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_ltf.mp2044.avg.
 /disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_ltf.mp2046.avg.
 /disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_ltf.mp2048.avg.
 /disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_ltf.mp2050.avg.
 /disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_ltf.mp2052.avg.
 /disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_ltf.mp2054.avg.
 /disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_ltf.mp2056.avg.
 /disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_ltf.mp2058.avg.
 /disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_ltf.mp2060.avg.
Processing:
   putation of XSI
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/latest/ppg.cal
ETALON correction filename used: /disk1/scia/DATA-DIR/CORR/latest/etalon.cal
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/wl.data
STRAYLIGHT correction filename used: /disk1/scia/DATA-DIR/CORR/latest/stray.da
Processing time: Tue Aug 25 01:07:17 1998
Output file name:
/disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_ltf.du1.avg.p1.c
```

LOG SHEET SCHIAMACHY CALIBRATION

Date/Time	Description of action	Measurement directory
24/8/98	Mte Plate, PJ Nijssen L'v/d Speh.	
	Xi_9 was analysed since the wavelength region goes from 1990 nm to 2060 nm, none of the PMD's collects signal. So in fact it is a strange (unnecessary) measurement. PMD 5 → 1400 nm – 1750 nm PMD 6 → 2200 nm – 2450 nm.	
	PMD/PM will always be ≈ equal to zero This is also found in the outcome of the Xsi calculations	
	Xi_10 was tested with PET = 1sec coad = 64 for ch8 Analysed with solar → PET can be increased to 2sec coadd to 32x. → Second Testrun Xi_10 was started.	

Azimuth	+45.000	deg
Elevation	−45.000	deg

XI_10 Testrun 1

Timeline for each Data Acquisition Period during Measurement

	1	2	3	4	5	6	7	8	9	10
State ID	26									
Repetitions	1									

State Parameters for States used in Timeline (State ID must be given)

Channel	PET [s] or IT#	Co-Adding	PET [s] or IT#	Co-Adding	PET [s] or IT#	Co-Adding	PET [s] or IT#	Co-Adding
1a	64	1						
1b	64	1						
2b	64	1						
2a	64	1						
3	64	1						
4	64	1						
5	64	1						
6	64	1						
7	2	32						
8	1	64						
State ID								

1sec for Ch 8 seems to be too short, can be increased to 2sec coadd 32X
Done in Testrun 2 XI10

Stimuli Settings for Existing Blocks in Measurement

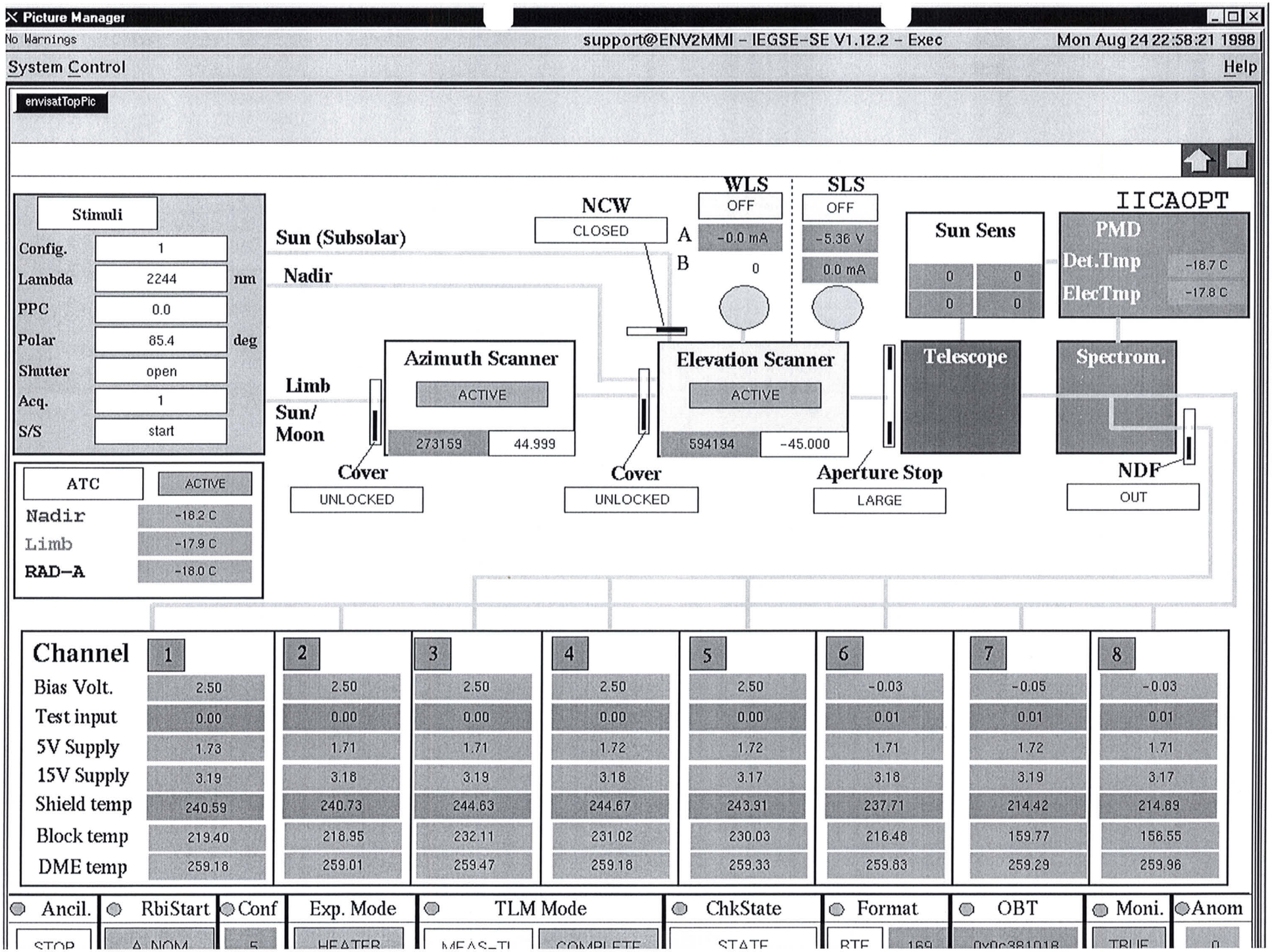
Block No	Stimuli Setup ID	PPC [deg]	Polarizer [deg]	Shutter open/close	Acquisition time [s]	Lambda [nm] Start	Stop	Step	Repetition Factor	Message	OS Setup time [s]
1	1	0	85.4	close	1	2244	2244	0	1	DU1	50
2	1	0	85.4	open	1	2244	2244	0	1	MP~	8
3	1	6	85.4	open	1	2260	2500	16	1	MP~	3
4	1	0	85.4	close	1	2500	2500	0	1	DU2	8

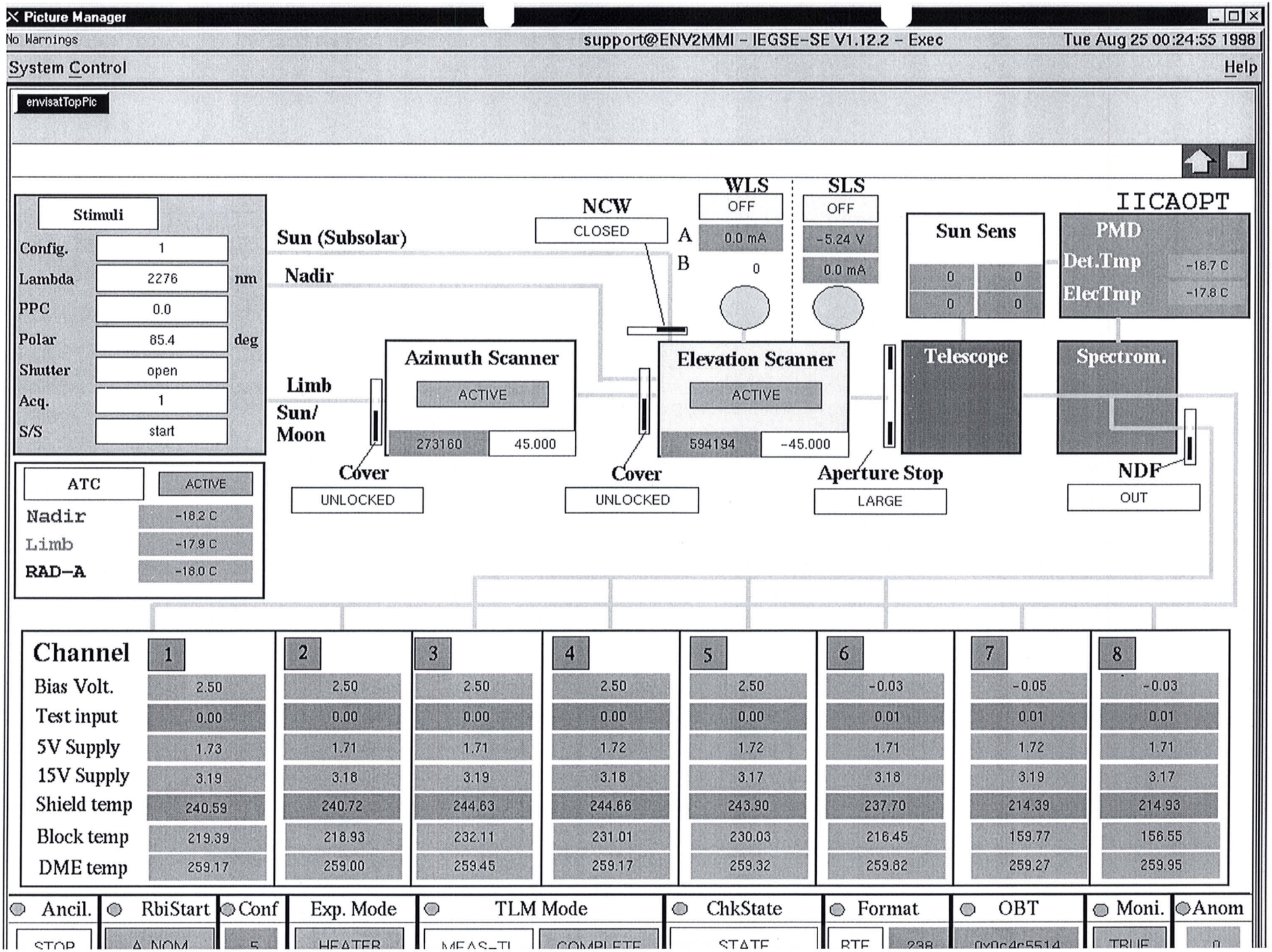
Measurement Data Description

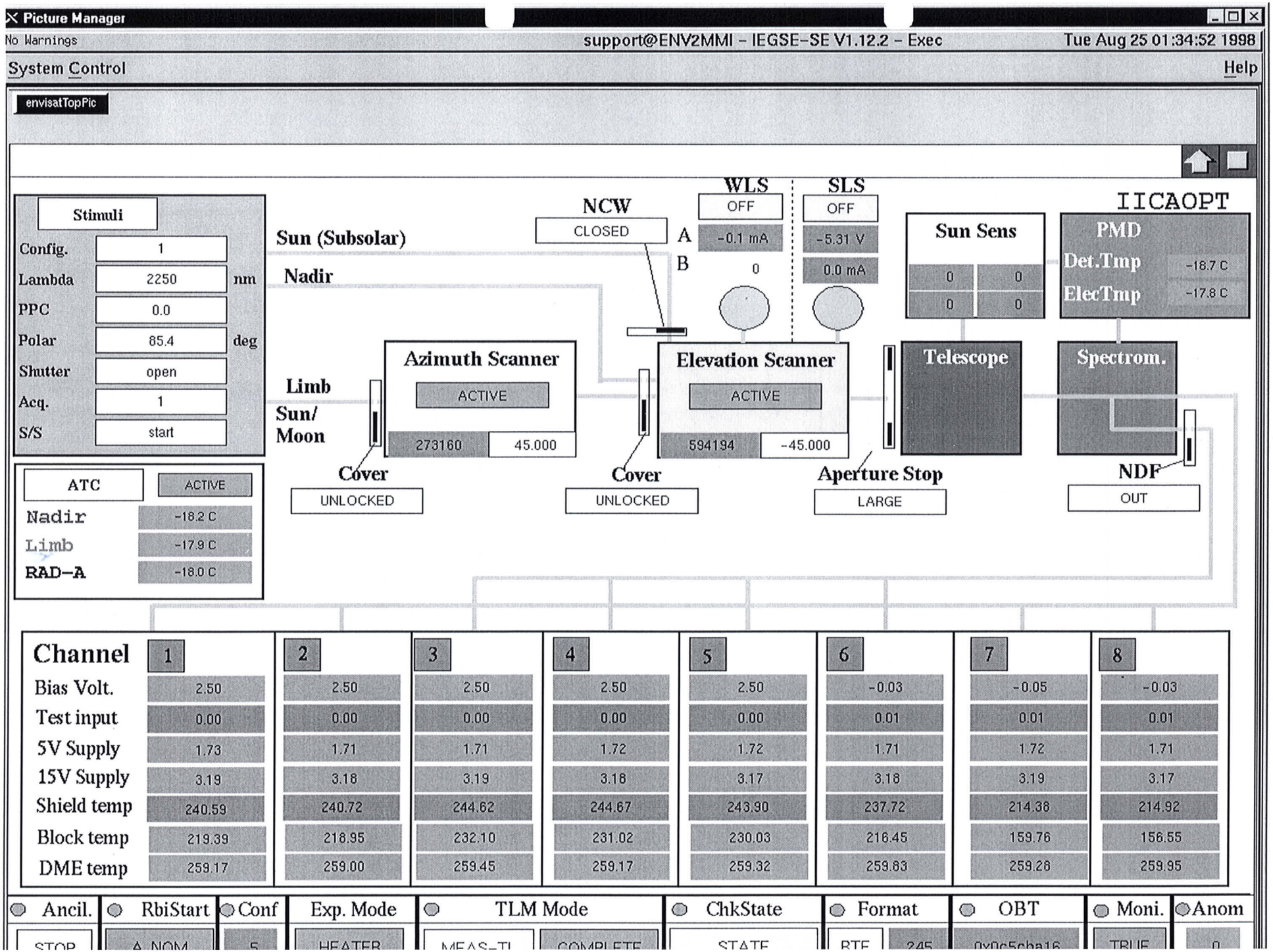
Test Purpose	UID_20 Test
Remark	PET search.
Data Directory	0236_22.50.00_XI_10

Signatures

	Date	Signature
Issued	24/8/98	
< Performed	24/8/98	


Picture Manager
No Warnings
support@ENV2MMI - IEGSE-SE V1.12.2 - Exec
Mon Aug 24 22:58:21 1998
System Control
Help
envisatTopPic
Stimuli
Config. 1
Lambda 2244 nm
PPC 0.0
Polar 85.4 deg
Shutter open
Acq. 1
S/S start
ATC ACTIVE
Nadir -18.2 C
Limb -17.9 C
RAD-A -18.0 C
Sun (Subsolar)
Nadir
Limb
Sun/
Moon
NCW
CLOSED
WLS
OFF
A -0.0 mA
B 0
SLS
OFF
-5.36 V
0.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -18.7 C
ElecTmp -17.8 C
Azimuth Scanner
ACTIVE
273159 44.999
Elevation Scanner
ACTIVE
594194 -45.000
Telescope
Spectrom.
Cover
UNLOCKED
Cover
UNLOCKED
Aperture Stop
LARGE
NDF
OUT
Channel 1 2 3 4 5 6 7 8
Bias Volt. 2.50 2.50 2.50 2.50 2.50 -0.03 -0.05 -0.03
Test input 0.00 0.00 0.00 0.00 0.00 0.01 0.01 0.01
5V Supply 1.73 1.71 1.71 1.72 1.72 1.71 1.72 1.71
15V Supply 3.19 3.18 3.19 3.18 3.17 3.18 3.19 3.17
Shield temp 240.59 240.73 244.63 244.67 243.91 237.71 214.42 214.69
Block temp 219.40 218.95 232.11 231.02 230.03 216.48 159.77 156.55
DME temp 259.18 259.01 259.47 259.18 259.33 259.83 259.29 259.96
Ancil. RbiStart Conf Exp. Mode TLM Mode ChkState Format OBT Moni. Anom
STOP A_NOM 5 HEATER MEAS_TI COMPLETE STATE RTE 169 0x0c381018 TRUE 0


Picture Manager
No Warnings
support@ENV2MMI - IEGSE-SE V1.12.2 - Exec
Tue Aug 25 00:24:55 1998
System Control
Help
envisatTopPic
Stimuli
Config. 1
Lambda 2276 nm
PPC 0.0
Polar 85.4 deg
Shutter open
Acq. 1
S/S start
ATC ACTIVE
Nadir -18.2 C
Limb -17.9 C
RAD-A -18.0 C
Sun (Subsolar)
Nadir
Limb
Sun/
Moon
NCW
CLOSED
WLS
OFF
A 0.0 mA
B 0
SLS
OFF
-5.24 V
0.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -18.7 C
ElecTmp -17.8 C
Azimuth Scanner
ACTIVE
273160 45.000
Elevation Scanner
ACTIVE
594194 -45.000
Telescope
Spectrom.
Cover
UNLOCKED
Cover
UNLOCKED
Aperture Stop
LARGE
NDF
OUT
Channel 1 2 3 4 5 6 7 8
Bias Volt. 2.50 2.50 2.50 2.50 2.50 -0.03 -0.05 -0.03
Test input 0.00 0.00 0.00 0.00 0.00 0.01 0.01 0.01
5V Supply 1.73 1.71 1.71 1.72 1.72 1.71 1.72 1.71
15V Supply 3.19 3.16 3.19 3.16 3.17 3.18 3.19 3.17
Shield temp 240.59 240.72 244.63 244.66 243.90 237.70 214.39 214.93
Block temp 219.39 218.93 232.11 231.01 230.03 216.45 159.77 156.55
DME temp 259.17 259.00 259.45 259.17 259.32 259.82 259.27 259.95
Ancil. STOP
RbiStart A_NOM
Conf 5
Exp. Mode HEATER
TLM Mode MEAS_TL COMPLETE
ChkState STATE
Format RTE 238
OBT 0x0c4c5514
Moni. TRUE
Anom 0


Picture Manager
No Warnings
support@ENV2MMI - IEGSE-SE V1.12.2 - Exec
Tue Aug 25 01:34:52 1998
System Control
Help
envisatTopPic
Stimuli
Config. 1
Lambda 2250 nm
PPC 0.0
Polar 85.4 deg
Shutter open
Acq. 1
S/S start
ATC ACTIVE
Nadir -18.2 C
Limb -17.9 C
RAD-A -18.0 C
Sun (Subsolar)
Nadir
Limb
Sun/
Moon
NCW
CLOSED
WLS
OFF
A
-0.1 mA
B
0
SLS
OFF
-5.31 V
0.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -18.7 C
ElecTmp -17.8 C
Azimuth Scanner
ACTIVE
273160 45.000
Elevation Scanner
ACTIVE
594194 -45.000
Telescope
Spectrom.
Cover
UNLOCKED
Cover
UNLOCKED
Aperture Stop
LARGE
NDF
OUT
Channel 1 2 3 4 5 6 7 8
Bias Volt. 2.50 2.50 2.50 2.50 2.50 -0.03 -0.05 -0.03
Test input 0.00 0.00 0.00 0.00 0.00 0.01 0.01 0.01
5V Supply 1.73 1.71 1.71 1.72 1.72 1.71 1.72 1.71
15V Supply 3.19 3.18 3.19 3.18 3.17 3.18 3.19 3.17
Shield temp 240.59 240.72 244.62 244.67 243.90 237.72 214.38 214.92
Block temp 219.39 218.95 232.10 231.02 230.03 216.45 159.76 156.55
DME temp 259.17 259.00 259.45 259.17 259.32 259.83 259.28 259.95
Ancil.
STOP
RbiStart
A_NOM
Conf
5
Exp. Mode
HEATER
TLM Mode
MEAS_TL
COMPLETE
ChkState
STATE
Format
RTE
245
OBT
0x0c5cba16
Moni.
TRUE
Anom
0

Azimuth	+45.000	deg
Elevation	−45.000	deg

XI_10 test2

Timeline for each Data Acquisition Period during Measurement

	1	2	3	4	5	6	7	8	9	10
State ID	26									
Repetitions	1									

State Parameters for States used in Timeline (State ID must be given)

Channel	PET [s] or II#	Co-Adding	PET [s] or II#	Co-Adding	PET [s] or II#	Co-Adding	PET [s] or II#	Co-Adding
1a	64	1						
1b	64	1						
2b	64	1						
2a	64	1						
3	64	1						
4	64	1						
5	64	1						
6	64	1						
7	2	32						
8	2	32						
State ID								

Test results are ok.

Formal run will be performed with PET ch 8 = 2sec coadd = 32X

Stimuli Settings for Existing Blocks in Measurement

Block No	Stimuli Setup ID	PPC [deg]	Polarizer [deg]	Shutter open/close	Acquisition time [s]	Lambda [nm] Start	Stop	Step	Repetition Factor	Message	DC Setup time [s]
1	1	0	85.4	close	1	2244	2244	0	1	DU1	50
2	1	0	85.4	open	1	2244	2244	0	1	MP~	8
3	1	6	85.4	open	1	2260	2500	16	1	MP~	3
4	1	0	85.4	close	1	2500	2500	0	1	DU2	8

Measurement Data Description

Test Purpose	UID_20 Test
Remark	PET search.
Data Directory	[redacted]

Signatures

	Date	Signature
Issued	24/8/98	
< Performed	24/8/98	

Formal Run [redacted] 0237_00.13.06_XI_10

O:\AIT\CALIBRATION\FORMBLATT.XLS]

LOG SHEET SCHIAMACHY CALIBRATION

Date/Time	Description of action	Measurement directory
25/8 Teams	-Wachten met χ_i-6 (of χ_i-Visir-III) ivm transit Dornien. zie instructies (Team Jet) -meting χ_i-10 af. om 5 UTC -ombouw naar χ_i-6 opstelling. (enkel uitgesteld) χ_{si}-10 data niet te lezen voor Solar & error melding bij raw2ltf (grote light to hl opper. fijn vergelijking met χ_i-7) na gaochellen Stephan (=Dornien) Data toch te begrijpe. iets te veel dat files meegestuurd. ⇒ nu weer ombouw naar χ_i-VisIr opstelling. IR/SD dif op plaats van UV-Vis d.f. DATA-files correct. → verder met analyse. let op: slechts 1x dark gemeten? → *du* (st) ps laat niet veel zinnigs zien Metingen pas zichtbaar vanaf ± mp 2260 (zichtbaar via Solar) ops aangemaakt met Run aversia is van 2244 + 2246 → dus niet echt zinnig. resultaat kant totaal niet overeen met de predicted results?	

Formal Run of Measurement

(Measurement ID) XI-10

Request for Actual Status		(cross out entries that are **not** requested.)
Request for Modification		(fill in only entries to be modified)
Request for Run	X	(no entries = run based on actual default settings)

Scanner Positions

Azimuth	+45.000	deg
Elevation	-45.000	deg

Timeline for each Data Acquisition Period during Measurement

	1	2	3	4	5	6	7	8	9	10
State ID	26									
Repetitions	1									

State Parameters for States used in Timeline (State ID must be given)

Channel	PET [s] or I#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding
1a	64	1						
1b	64	1						
2b	64	1						
2a	64	1						
3	64	1						
4	64	1						
5	64	1						
6	64	1						
7	2	32						
8	2	32						
State ID								

Data wird ke. lesen anot von 21 hf. sie log shots

Stimuli Settings for Existing Blocks in Measurement

Block No	Stimuli Setup ID	PPC [deg]	Polarizer [deg]	Shutter open/close	Acquisition Time [s]	Lambda [nm] Start	Stop	Step	Repetition Factor	Message	OS Setup Time [s]
1	1	0	85.4	close	1	2244	2244	0	1	Dur	50
2	1	0	85.4	open	1	2244	2244	0	1	MPa	0
3	1	0	85.4	open	1	2246	2500	2	1	MPa	3
4	1	0	85.4	close	1	2500	2500	0	1	Dur2	0

Measurement Data Description

Test Purpose	WID_20 formal run
Remark	
Data Directory	0237_01.21.50_XI_10

Signatures

	Date	Signature
Issued	25/8/98	
< Performed	25-8	

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	M. Kalt 25-8	
	What's the name of the (main) data input files generated by the EGSE? `(*.dat)`	sci4_2508199g8_012631379.dat	(A)
	Setup a three-window configuration on your SUN.		see course descr.

Cnstr directory	`cd ~/DATA-DIR/XSI-IR-III/ ; ls -l`
	highest number in directory?
	New directory: `mkdir <B+1>`
	`ls -l`
	What's now the highest number in directory?
	<C> should be <B> + 1
		2
		
		3
		(Y) / N
			Note: In window DATA-DIR
			(B)
			
			(C)

	directory name is:	`~/DATA-DIR/XSI-IR-III/<C>`	(DIR-NAME)
Copy data	See Analysis sheet: Transfer Data File	(Y) / N	In DATA-DIR window
Cnstr EGSE_LTF	`cal_raw2ltf .` (Error messages are not necessarily fatal; check with SOLAN --in solan window-- whether output file is okay: there should be a signal present, and `dremark1` labels should be filled) `ls -l *.egse_ltf` What's the name of the egse_ltf file <D> should be <A>.egse_ltf	5 sci4_2508199g8_012631379.egse_ltf (Y) N	Note: In window DATA-DIR; ***don't forget the dot !!!;*** *May take more than 15 mins.* (D)
Cnstr CAL files	`idl run_fastaverscia` (and select file <D> when asked)	5	Note: In window IDL
Check CAL files	Dark files: `ls -l *du*.cal`		In DATA-DIR Window
	size:	145g8	should be approx 150Kb
	Monochromator ouput:		

`ls -l *mp<lambda>*.avg.cal` (where lambda is a wavelength indicator)

should be approx 150Kb

size: 145 Kb
lambda ranges from: 2244
to: 2560

Note: all files should be present, if not:

(a) Check file <D> using SOLAN and check whether `dremark1` labels are present. S

(b) Check if enough disk space is available (Unix command `df -k | more`). S

Print postscript

Pick a *.mp<lambda>.avg.cal file. S

`lpr -P<printer> *.avg.cal.ps`

Contents dark file `*du.avg.cal.ps` should be approx. constant within channels: (Y) / N

Contents of a file *mp<lambda>.avg.cal.ps should contain a peak signal in corresponding channel (cannot be seen in channels 7 and 8): Y / N → niet te controleren. / geen data in kanalen. pas vanaf ca mp 2260 data in kanaal 8 ?

Contents of *mp<lambda>.rel_std.cal.ps files should be smaller than 0.01 (pixel 300 -- 800) for all channels. Y / N → is geen .ps van!

If not, value is:

Add postscript images to logbook, done (Y) / N

Print logfiles

`lpr -P<printer> *.log`

Add logfiles to logbook, done (Y) / N

Xsi processing

Control file

Construct `control-file` in dir. <DIR-NAME> where each line is of the form `<l1> <l2> <darkname>` (meaning that file `<darkname>` is to be used as dark measurement for monochromator outputs with wavelength `M` such that `<l1> <= M <= <l2>`).

	`lpr -P<printer> <DIR-NAME>/control-file` Add `control-file` to logbook, done	(Y)/ N	
Run XSI	`idl do_xsi`	S	
Check XSI	`ls -l *.data` Size of file `<D>.du*.cal.data`	55857	In DATA-DIR window
Check XSI visually	`idl do_xsi_processing`	S	In IDL window
	`lpr -P<printer> *.data.ps`		In DATA-DIR window
	Value of XSI resembles expected XSI (see [Predicted PFMcalibration results])?	Y /(N)	
	Add postscript images to logbook, done	(Y)/ N	
Print logfiles	`lpr -P<printer> *.data.log` Add logfiles to logbook, done	(Y)/ N	

Back up	Create 3 sets of backup CDs of directory <DIR-NAME> (One CD has a capacity of 600 Mbytes, the UNIX command `/usr/bin/du -k .` gives the number of kilo bytes in the current directory). Name of backup CDs	2508gdB	See analysis sheet BackUp

Sign:	Name	M. Kalf
	Date and time	25-8-1998
	Signature	MKalf.

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	M. Kalf 25-8-1999	
	Setup a three-window configuration on your SUN.		See course descr.
	Let <F1> be a data file containing a XSI-IR `*.data` file (E.g., `~/DATA-DIR/XSI-IR-I/<number1>/<abc>.data`) Full path name of <F1>	XSI-IR-I/4	(F1)
	Let <F2> be a data file containing a XSI-IR `*.data` file (E.g., `~/DATA-DIR/XSI-IR-II/<number2>/<abc>.data`) Full path name of <F2>	XSI-IR-II/2	(F2)
	Let <F3> be a data file containing a XSI-IR `*.data` file (E.g., `~/DATA-DIR/XSI-IR-III/<number3>/<abc>.data`) Full path name of <F3>	XSI-IR-III/3	(F3)
Combine	`idl do_xsi_combine_3`		In IDL window
Inspect	`ls -l <F1>.combined.data` Size of `<F1>.combined.data`?	91363	In DATA-DIR window
Print logfiles	lpr -P<printer> *.data.log Add logfiles to logbook, done	Y / N	

Sign:		
	Name	M. Kalf
	Date and time	25-8-1999
	Signature	MKalf.

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.du1.avg.p1.ca
 and

/disk1/scia/DATA-DIR/XSI-IR-II/2/scia_24081998_201015951.egse_ltf.du1.avg.p1.c
 and

/disk1/scia/DATA-DIR/XSI-IR-III/3/scia_25081998_012631379.egse_ltf.du1.avg.p1.
Action: Combined (simple concatenation)
Processing time: Tue Aug 25 09:35:22 1998
Output file name:
/disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.du1.avg.p1.ca
```

```
Version:  0.1
Input files:  /disk1/scia/DATA-DIR/XSI-IR-I/4/control-file
 scia_24081998_164517647.egse_ltf.du1.avg.cal
 scia_24081998_164517647.egse_ltf.du2.avg.cal
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1920.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1922.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1924.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1926.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1928.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1930.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1932.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1934.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1936.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1938.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1940.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1942.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1944.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1946.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1948.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1950.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1952.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1954.avg.c
   isk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1956.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1958.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1960.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1962.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1964.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1966.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1968.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1970.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1972.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1974.avg.c
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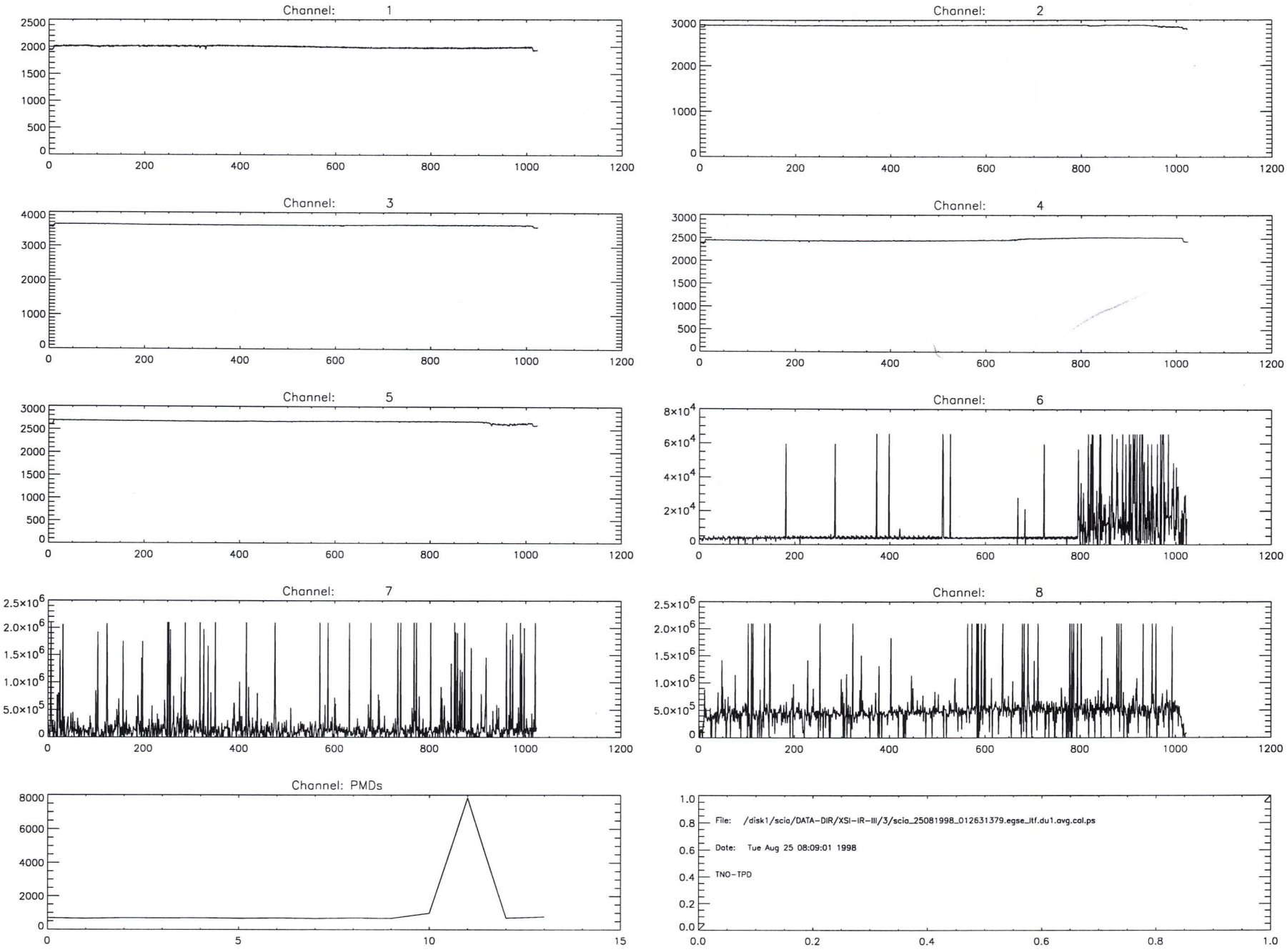
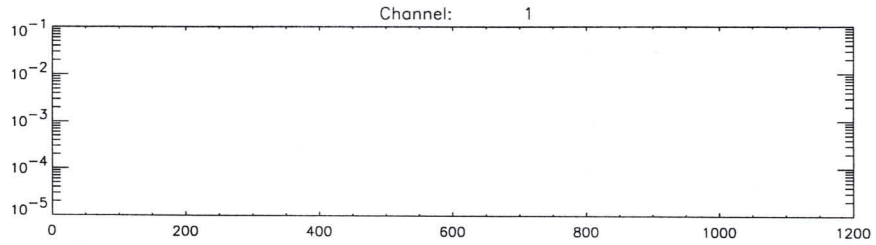
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1978.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1980.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1982.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1984.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1986.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1988.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1990.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1992.avg.c
   isk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1994.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1996.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp1998.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp2000.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp2002.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp2004.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp2006.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp2008.avg.c
 /disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.mp2010.avg.c
Processing:
Computation of XSI
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/latest/ppg.cal
ETALON correction filename used: /disk1/scia/DATA-DIR/CORR/latest/etalon.cal
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/wl.data
STRAYLIGHT correction filename used: /disk1/scia/DATA-DIR/CORR/latest/stray.da
Processing time: Mon Aug 24 21:03:50 1998
Output file name:
/disk1/scia/DATA-DIR/XSI-IR-I/4/scia_24081998_164517647.egse_ltf.du1.avg.p1.ca
```


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/XSI-IR-III/3/scia_25081998_012631379.egse_ltf.du1.avg.cal.ps
Date: Tue Aug 25 08:09:01 1998
TNO-TPD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1000
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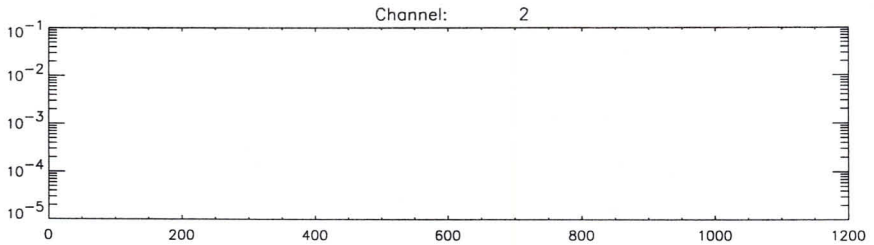
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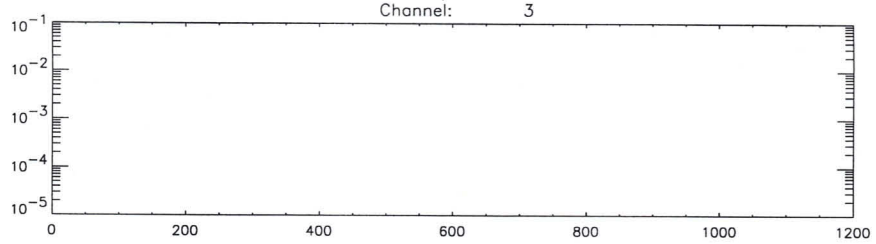
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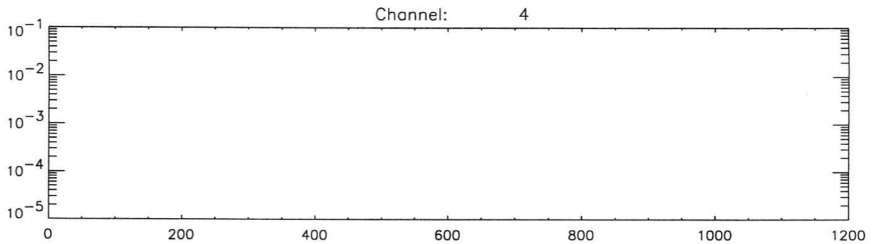
1200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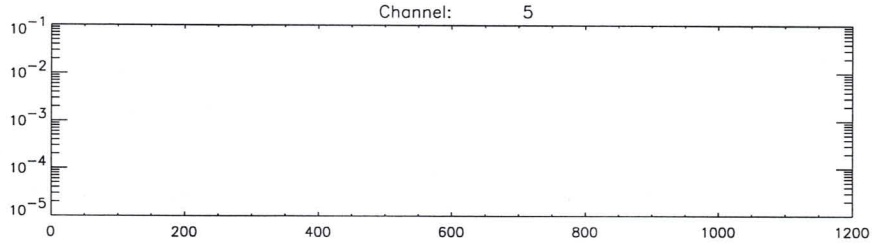
1000
1200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600
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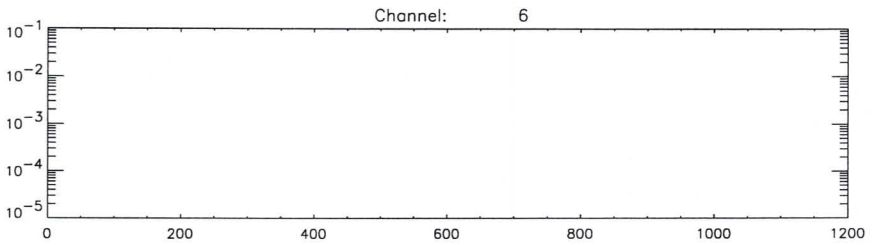
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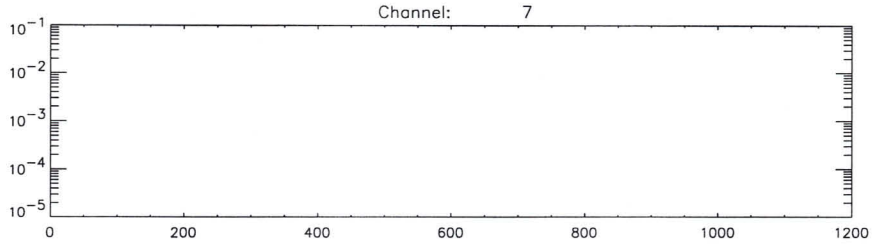
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10^{-4}
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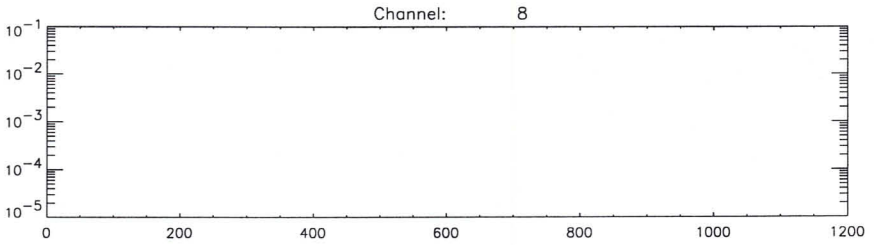
400
600
800
1000
1200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10^{-4}
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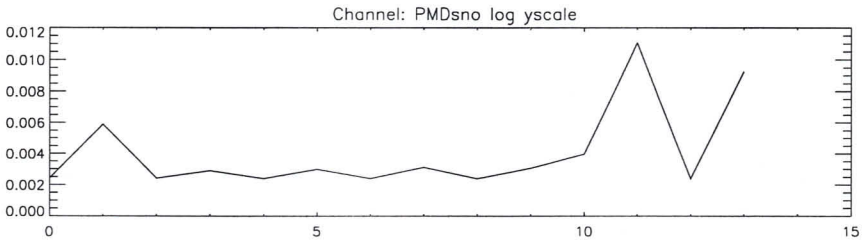
600
800
1000
1200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0.002
0.000
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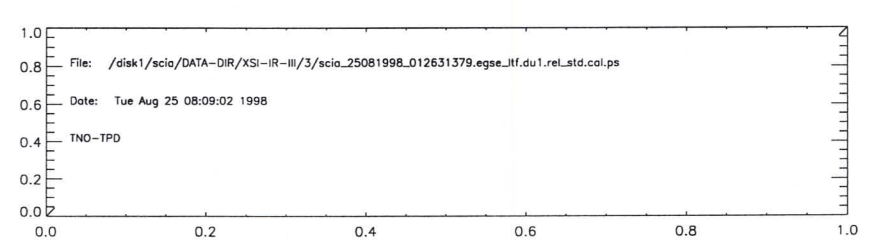
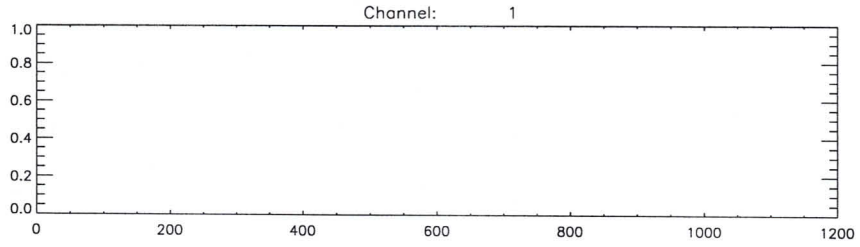
5
10
15


File: /disk1/scia/DATA-DIR/XSI-IR-III/3/scia_25081998_012631379.egse_ltf.du1.rel_std.cal.ps
Date: Tue Aug 25 08:09:02 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0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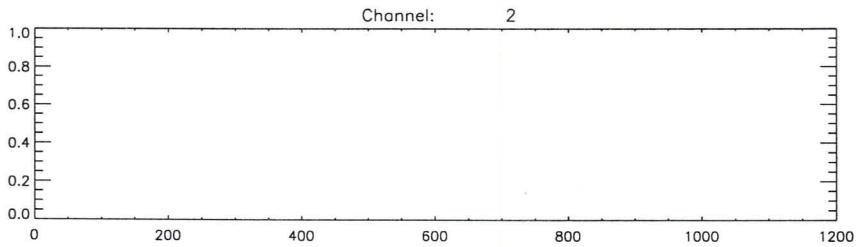
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800
1000
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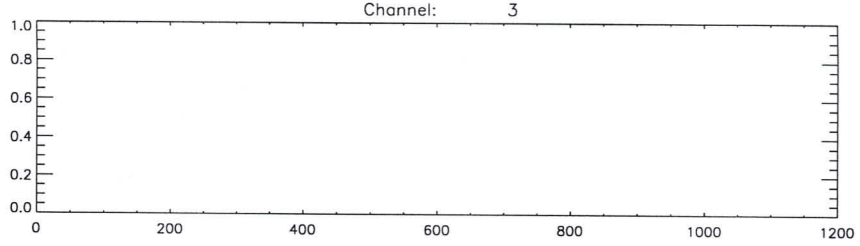
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0.2
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0
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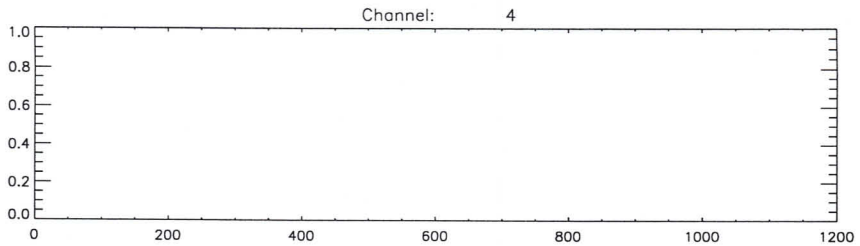
400
600
800
1000
1200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0.4
0.2
0.0
0
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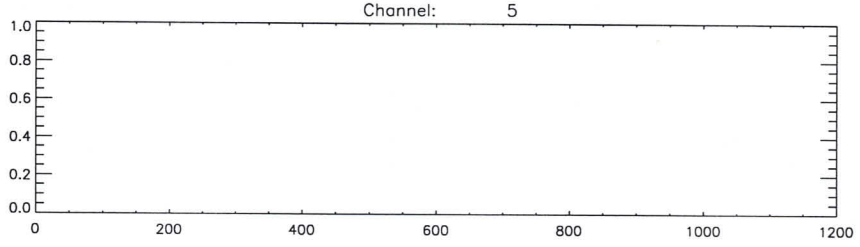
600
800
1000
1200


Channel: 5
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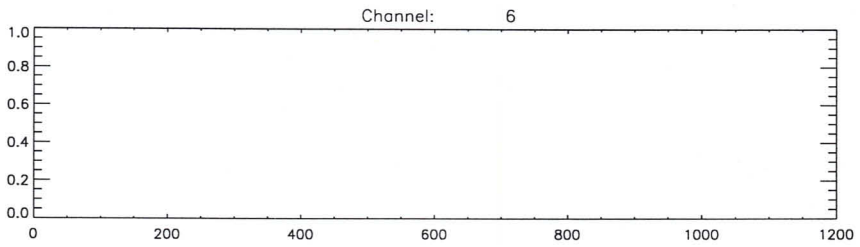
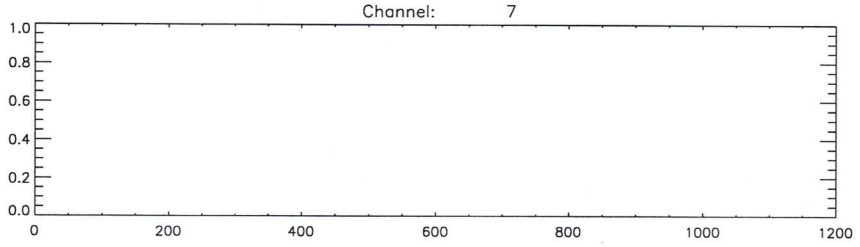
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200


Channel: 6
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200


Channel: 7
1.0
0.8
0.6
0.4
0.2
0.0
0
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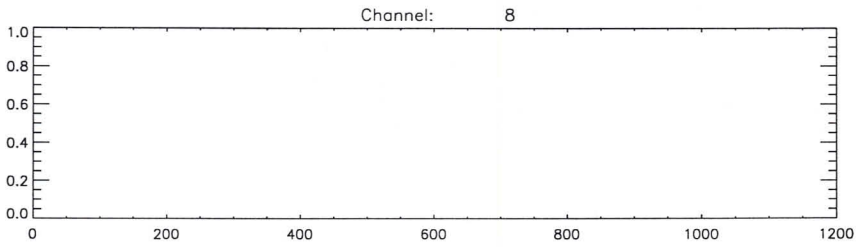
600
800
1000
1200


Channel: 8
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0.6
0.4
0.2
0.0
0
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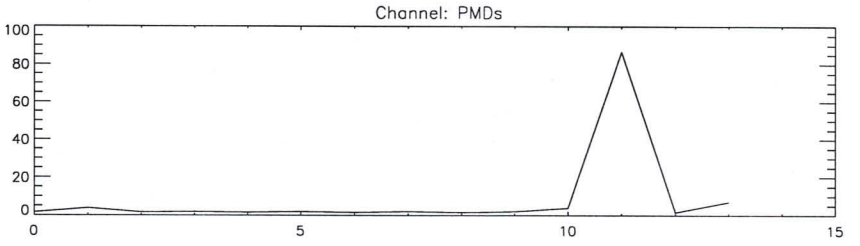
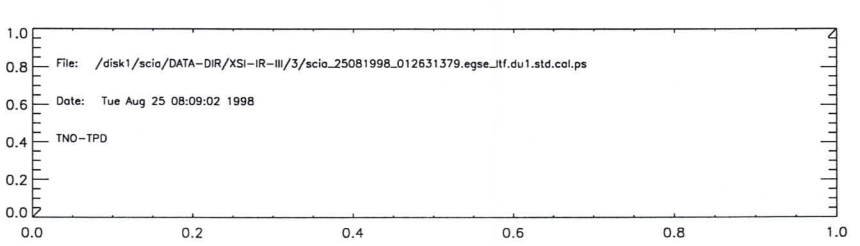
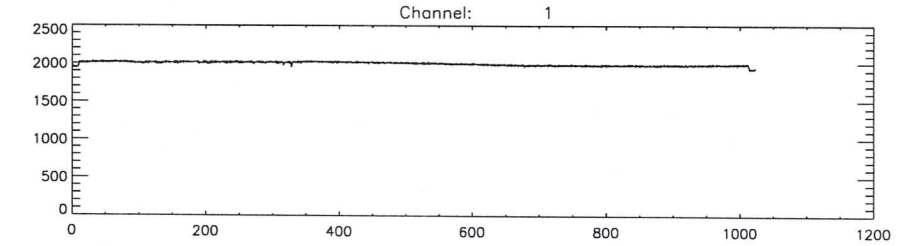
400
600
800
1000
1200


Channel: PMDs
100
80
60
40
20
0
0
5
10
15


File: /disk1/scia/DATA-DIR/XSI-IR-III/3/scia_25081998_012631379.egse_itf.du1.std.cal.ps
Date: Tue Aug 25 08:09:02 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel: 1
2500
2000
1500
1000
500
0
0
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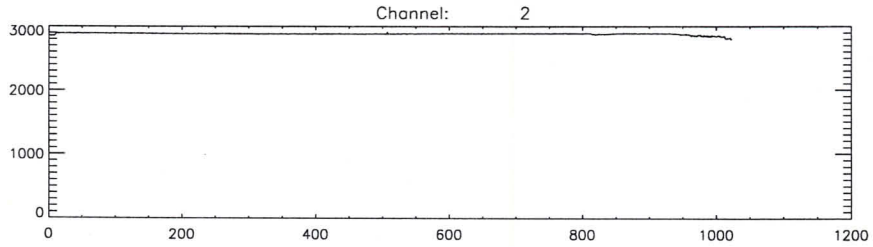
600
800
1000
1200


Channel: 2
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2000
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200
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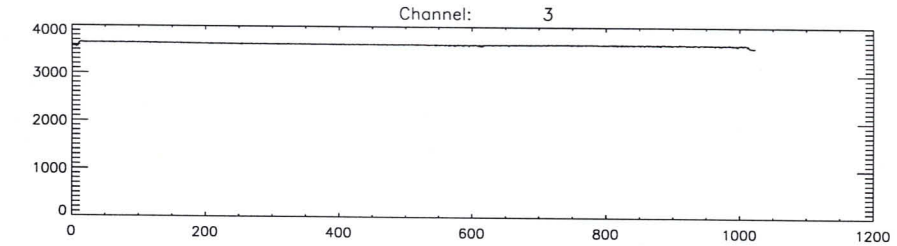
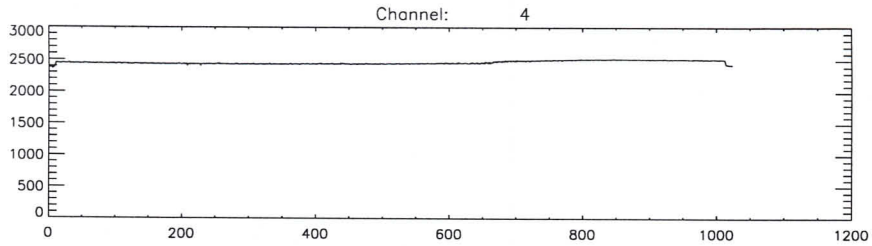
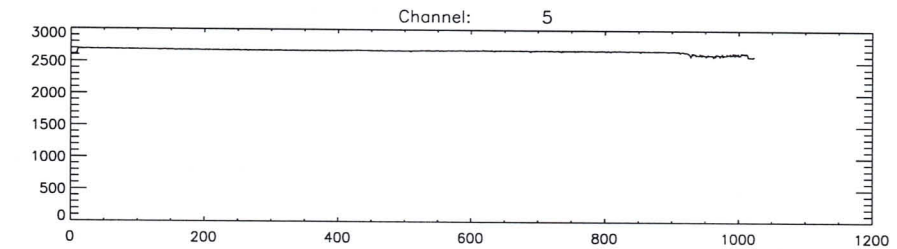
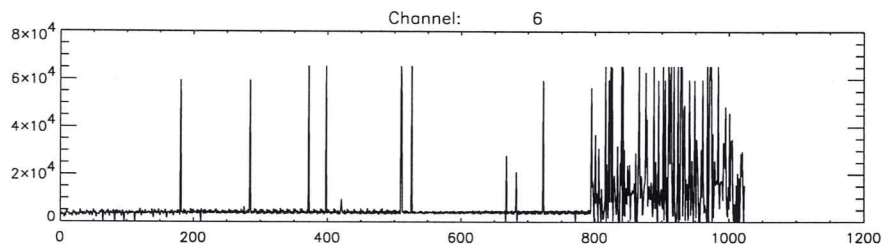
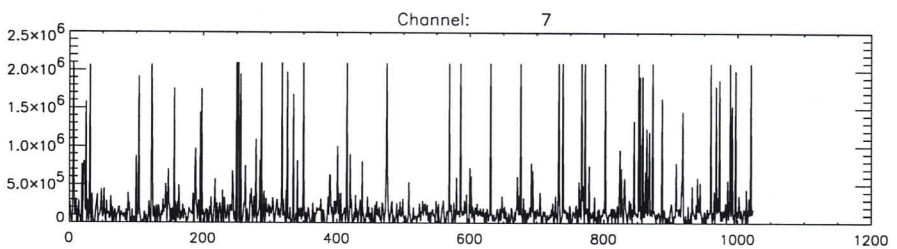
600
800
1000
1200

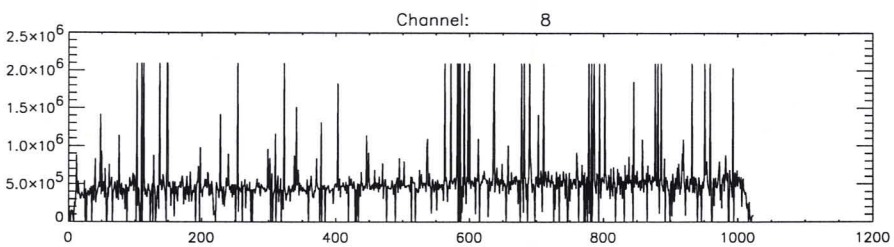

Channel: 3
4000
3000
2000
1000
0
0
200
400
600
800
1000
1200


Channel: 4
3000
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200


Channel: 5
3000
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200


Channel: 6
8×10^4
6×10^4
4×10^4
2×10^4
0
0
200
400
600
800
1000
1200


Channel: 7
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
200
400
600
800
1000
1200


Channel: 8
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
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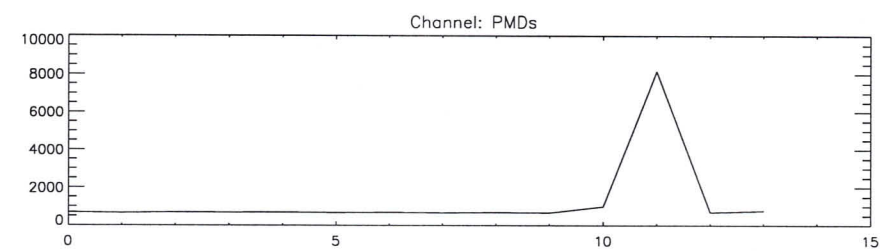
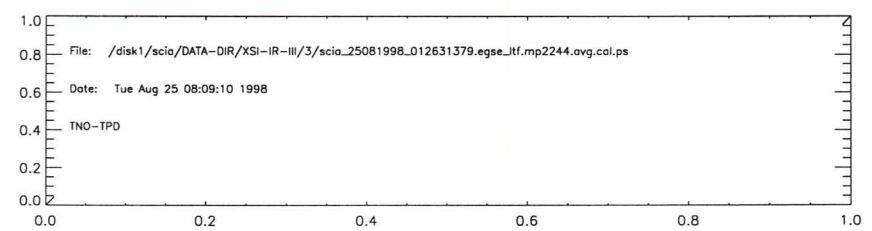
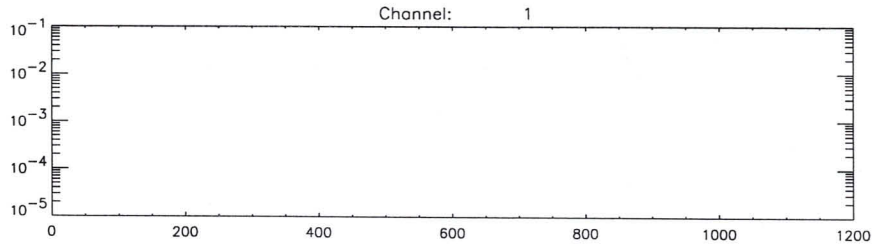
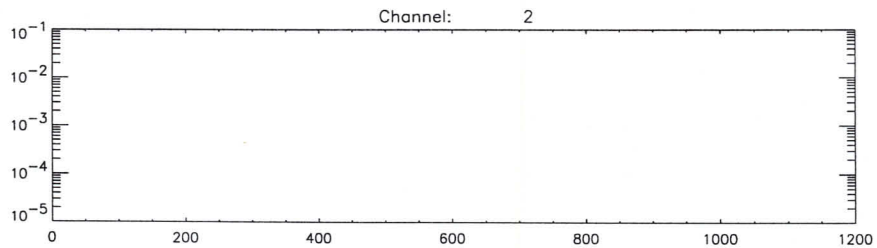
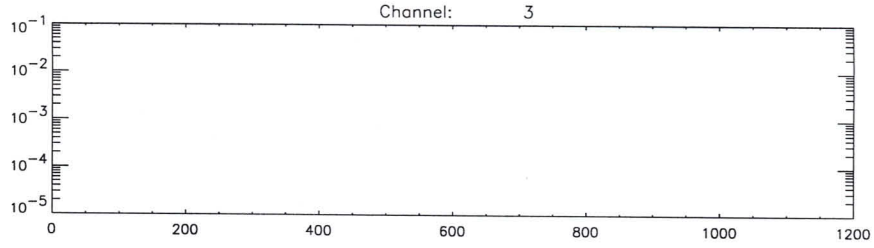
600
800
1000
1200

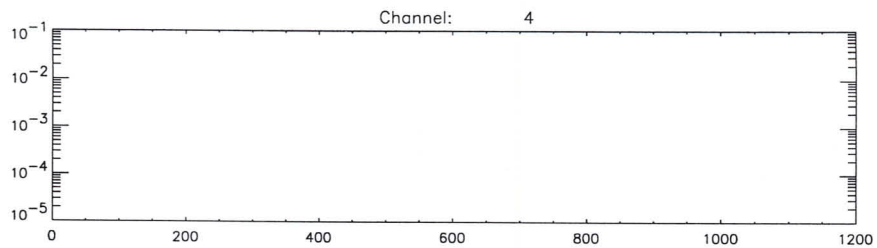

Channel: PMDs
10000
8000
6000
4000
2000
0
0
5
10
15

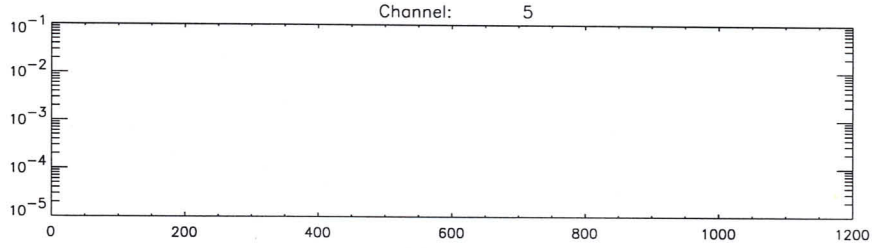

1.0
0.8
0.6
0.4
0.2
0.0
File: /disk1/scia/DATA-DIR/XSI-IR-III/3/scia_25081998_012631379.egse_ltf.mp2244.avg.cal.ps
Date: Tue Aug 25 08:09:10 1998
TNO-TPD
0.0
0.2
0.4
0.6
0.8
1.0

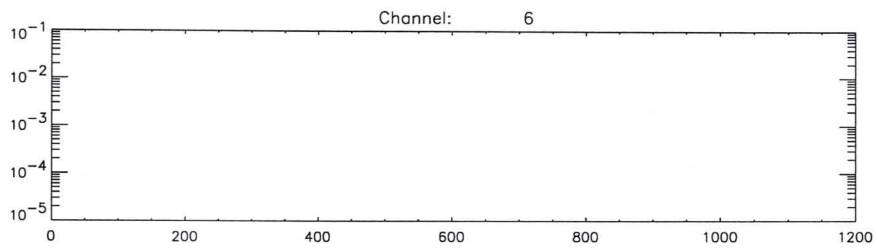

Channel: 1
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

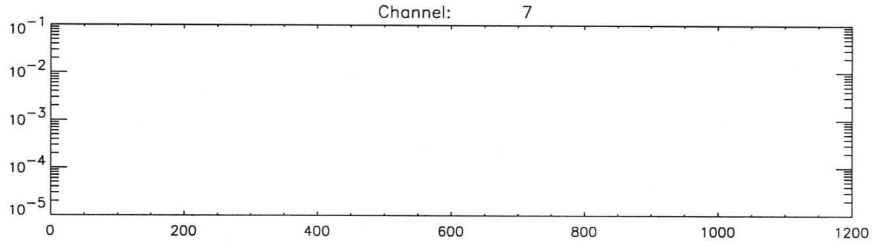

Channel: 2
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

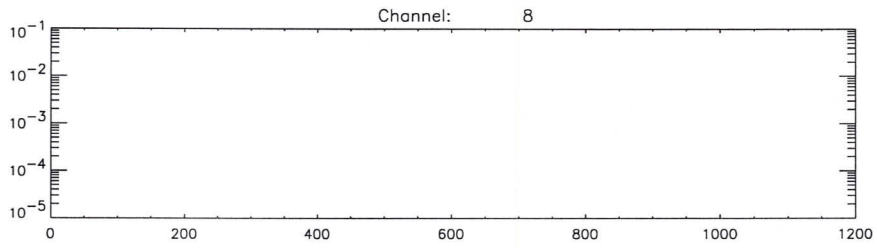

Channel: 3
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

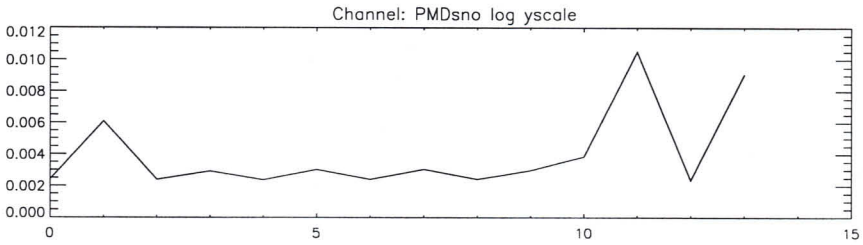

Channel: 4
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

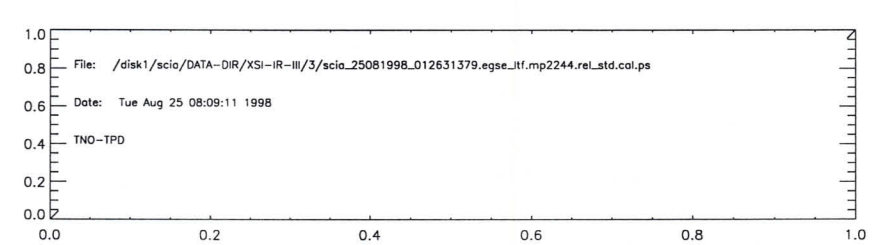

Channel: 5
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

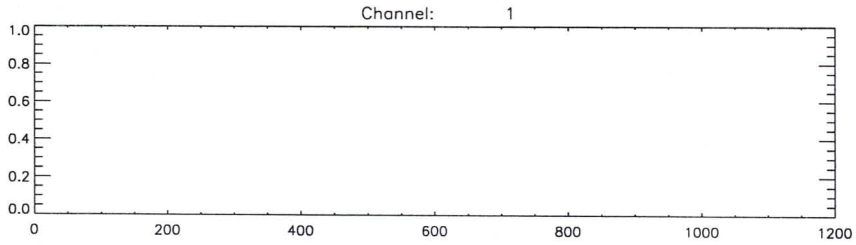

Channel: 6
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

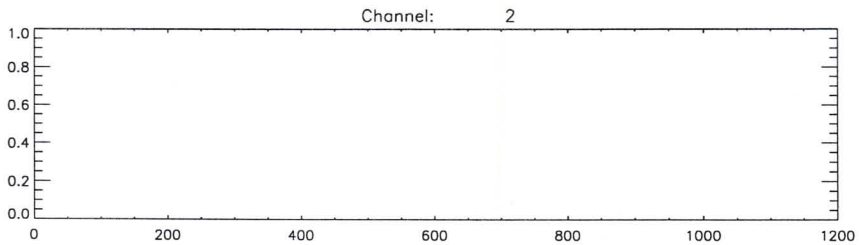

Channel: 7
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: 8
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: PMDsno log yscale
0.012
0.010
0.008
0.006
0.004
0.002
0.000
0
5
10
15


File: /disk1/scia/DATA-DIR/XSI-IR-III/3/scia_25081998_012631379.egse_itf.mp2244.rel_std.cal.ps
Date: Tue Aug 25 08:09:11 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel: 1
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200


Channel: 2
1.0
0.8
0.6
0.4
0.2
0.0
0
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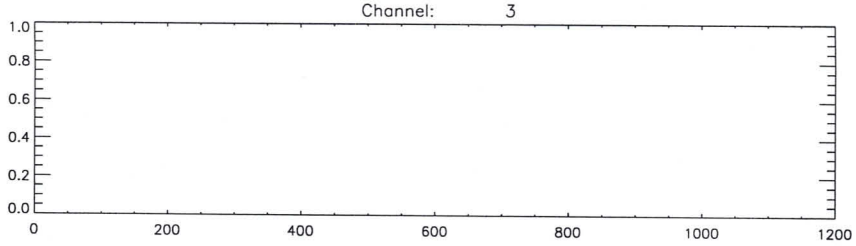
400
600
800
1000
1200


Channel: 3
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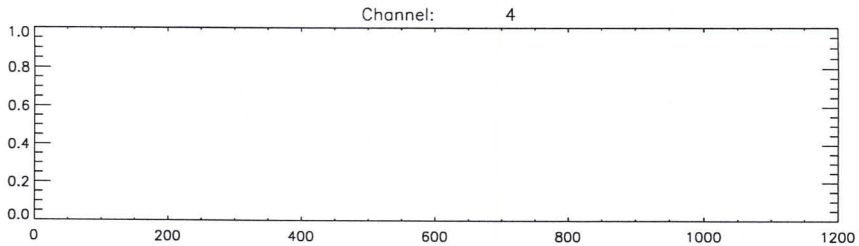
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200


Channel: 4
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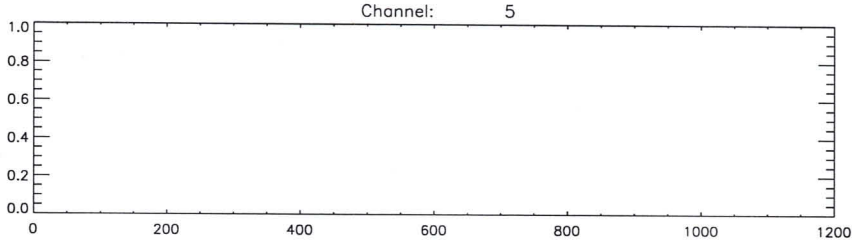
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200


Channel: 5
1.0
0.8
0.6
0.4
0.2
0.0
0
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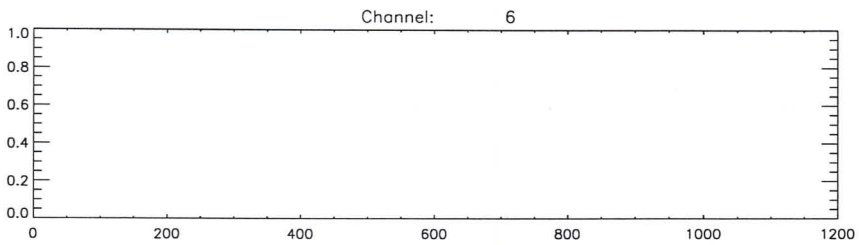
400
600
800
1000
1200


Channel: 6
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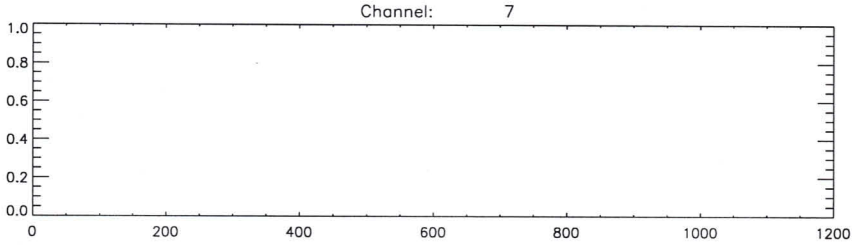
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200


Channel: 7
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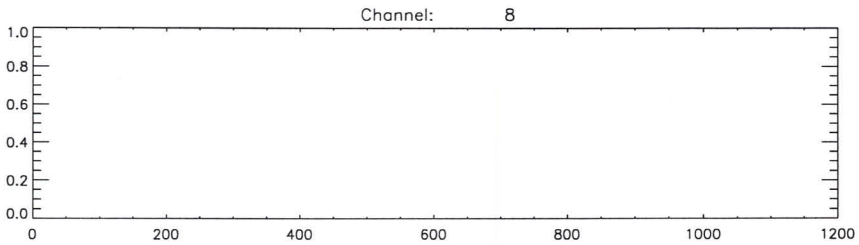
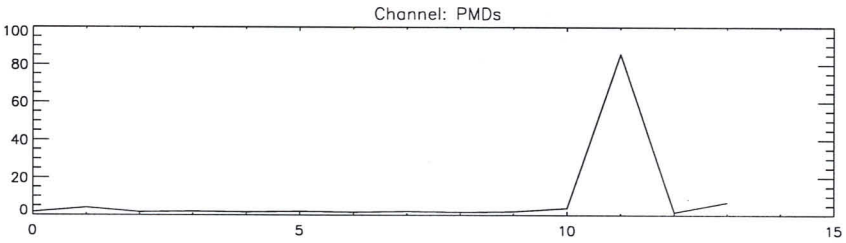
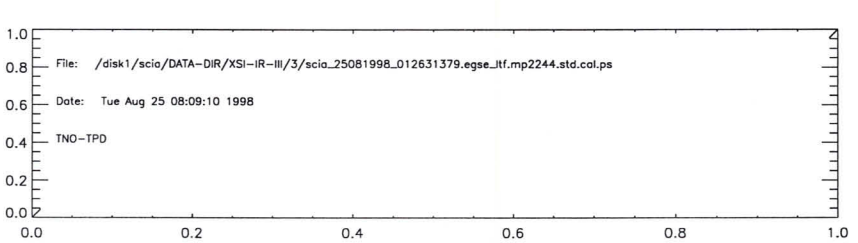
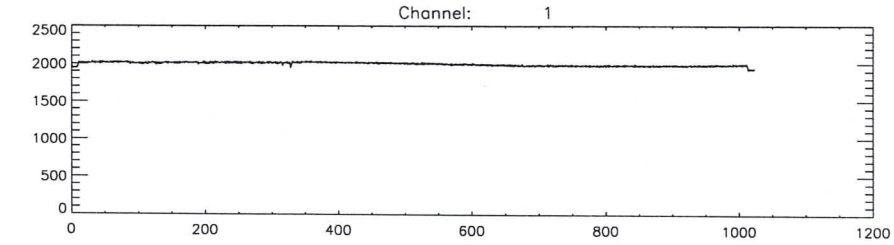
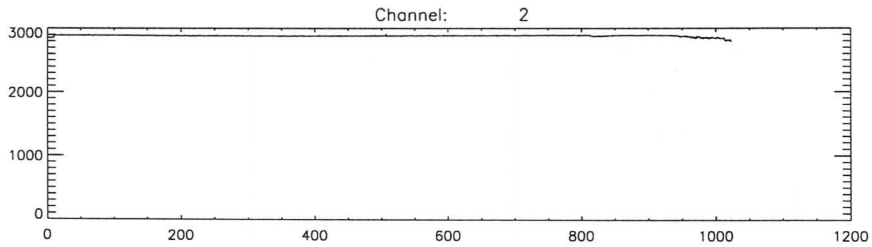
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200


Channel: 8
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200


Channel: PMDs
100
80
60
40
20
0
0
5
10
15


File: /disk1/scia/DATA-DIR/XSI-IR-III/3/scia_25081998_012631379.egse_ltf.mp2244.std.cal.ps
Date: Tue Aug 25 08:09:10 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel: 1
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200


Channel: 2
3000
2000
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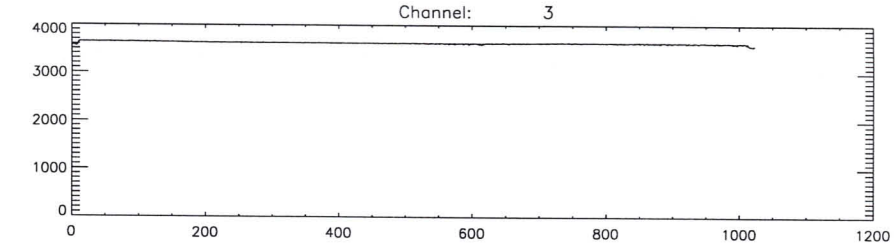
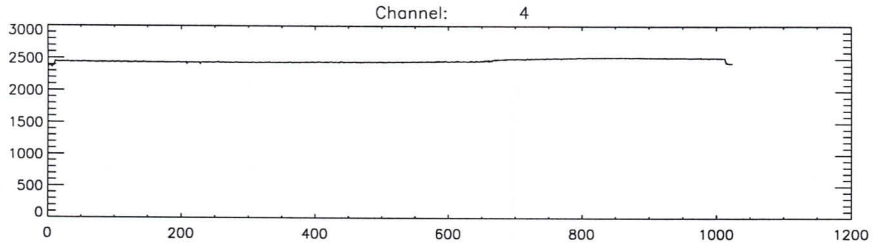
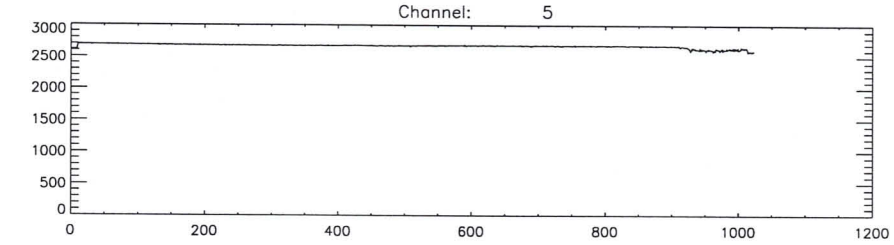
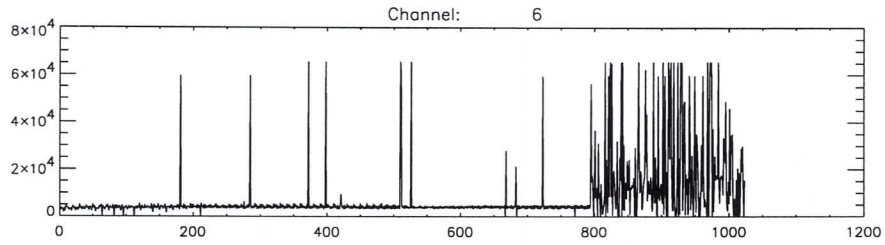
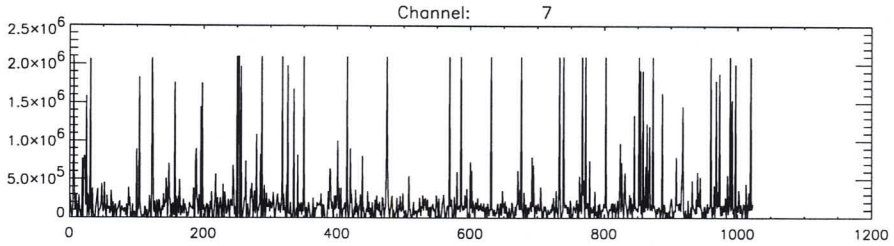
0
0
200
400
600
800
1000
1200

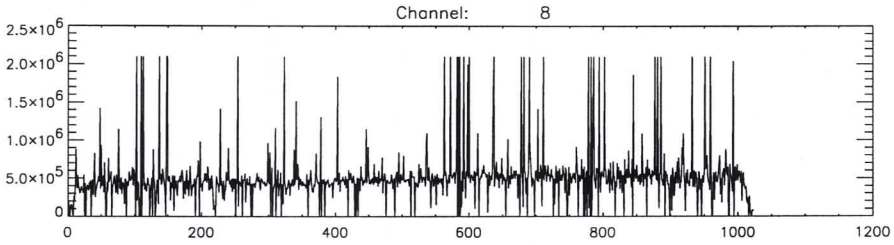

Channel: 3
4000
3000
2000
1000
0
0
200
400
600
800
1000
1200


Channel: 4
3000
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200


Channel: 5
3000
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200


Channel: 6
8×10^4
6×10^4
4×10^4
2×10^4
0
0
200
400
600
800
1000
1200


Channel: 7
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
200
400
600
800
1000
1200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1.5×10^6
1.0×10^6
5.0×10^5
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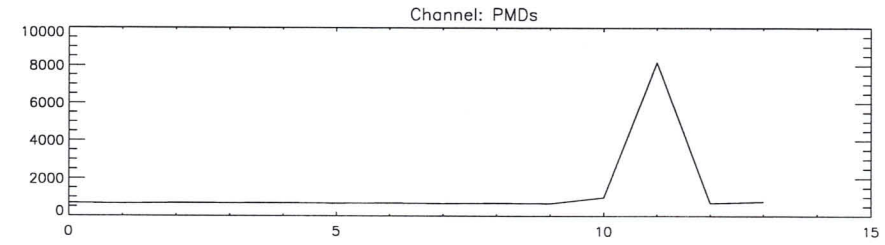
400
600
800
1000
1200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0
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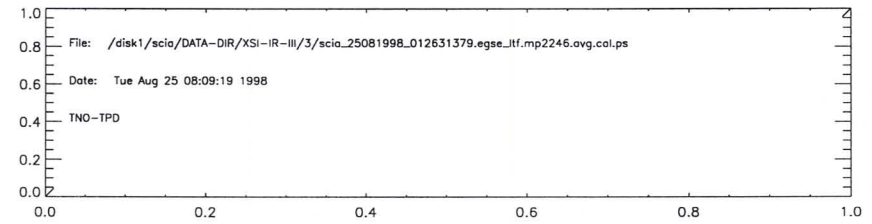
10
15


File: /disk1/scia/DATA-DIR/XSI-IR-III/3/scia_25081998_012631379.egse_itf.mp2246.avg.cal.ps
Date: Tue Aug 25 08:09:19 1998
TNO-TPD
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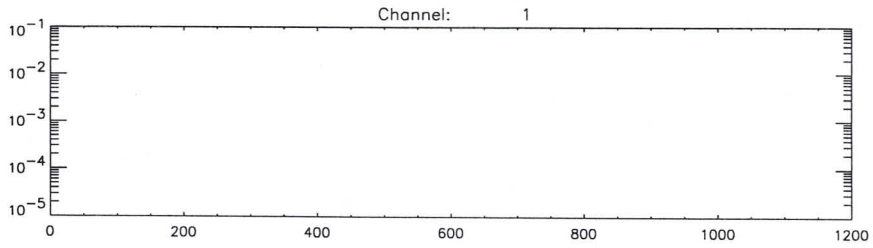
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0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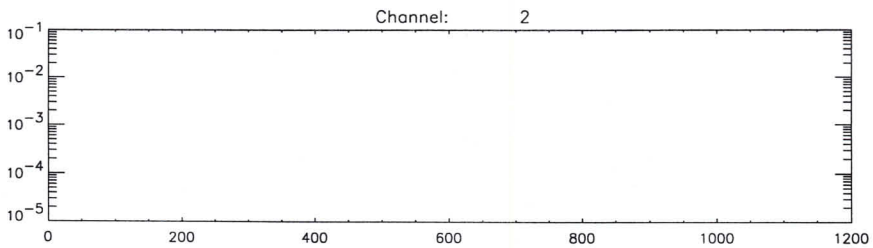
800
1000
1200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10^{-5}
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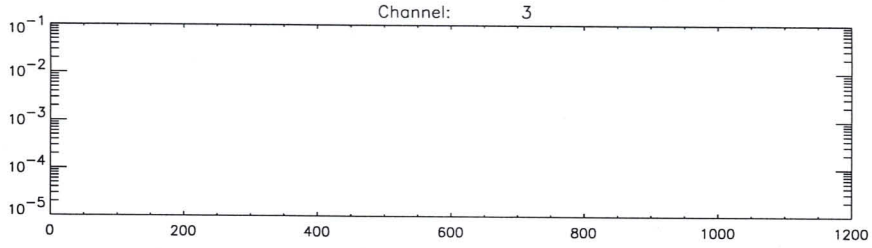
600
800
1000
1200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10^{-2}
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10^{-5}
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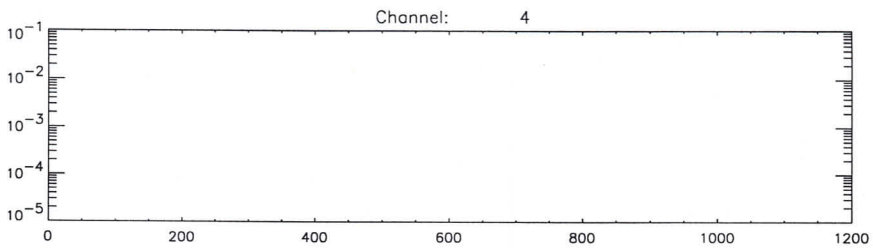
600
800
1000
1200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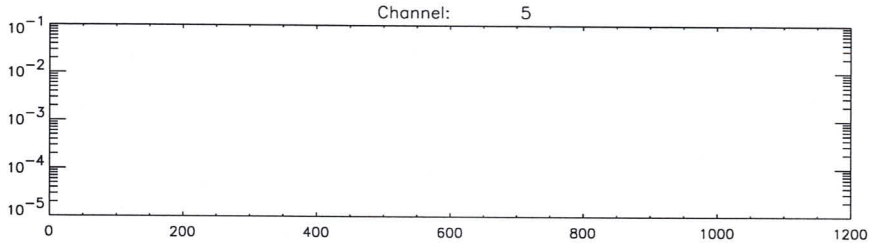
800
1000
1200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800
1000
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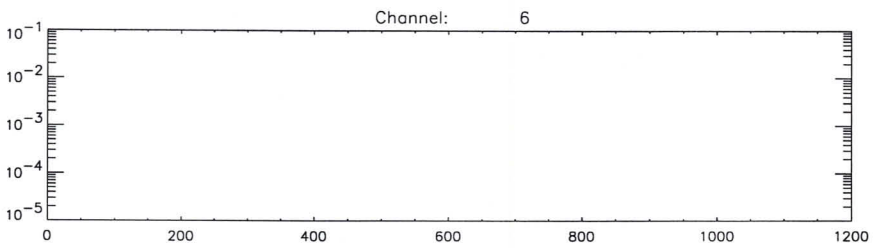
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600
800
1000
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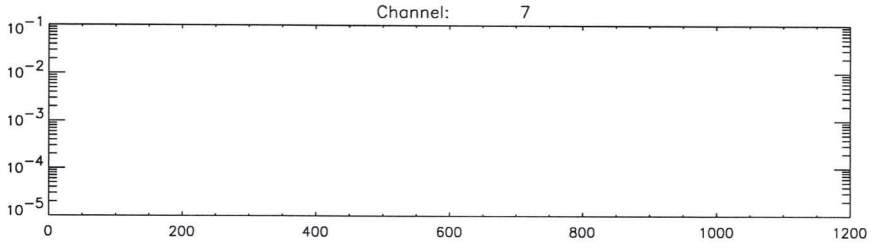
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10^{-5}
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600
800
1000
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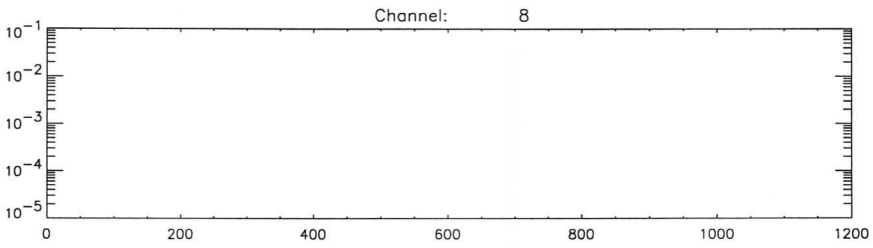
Channel: 8
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10^{-2}
10^{-3}
10^{-4}
10^{-5}
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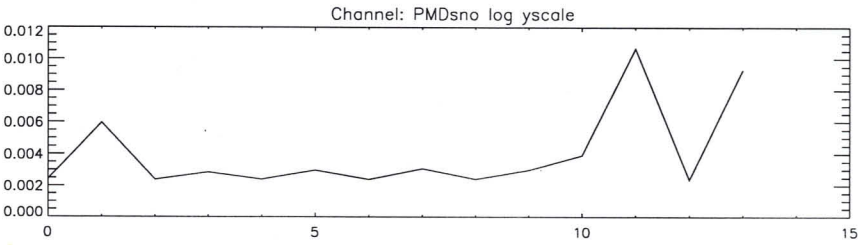
400
600
800
1000
1200


Channel: PMDsno log yscale
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0.008
0.006
0.004
0.002
0.000
0
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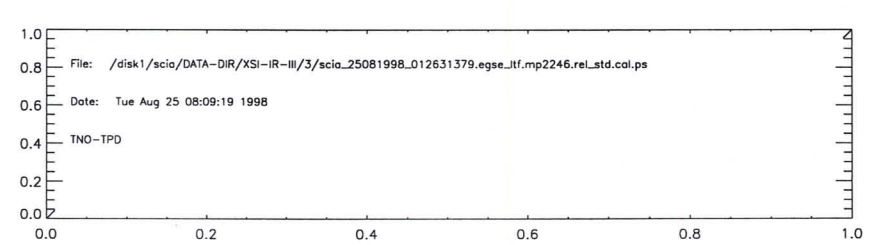
10
15


File: /disk1/scia/DATA-DIR/XSI-IR-III/3/scia_25081998_012631379.egse_ltf.mp2246.rel_std.cal.ps
Date: Tue Aug 25 08:09:19 1998
TNO-TPD
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0.6
0.4
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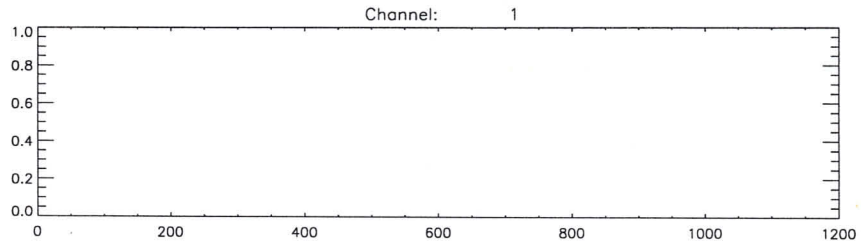
0.0
0.0
0.2
0.4
0.6
0.8
1.0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0.6
0.4
0.2
0.0
0
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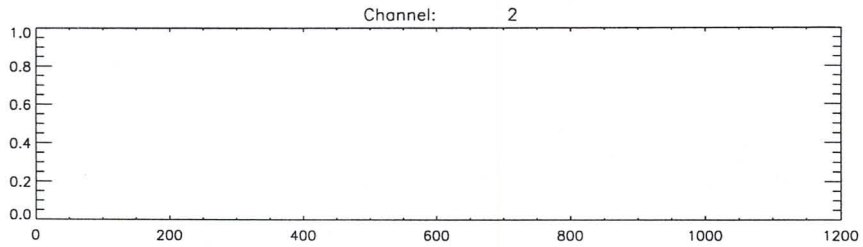
600
800
1000
1200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0
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800
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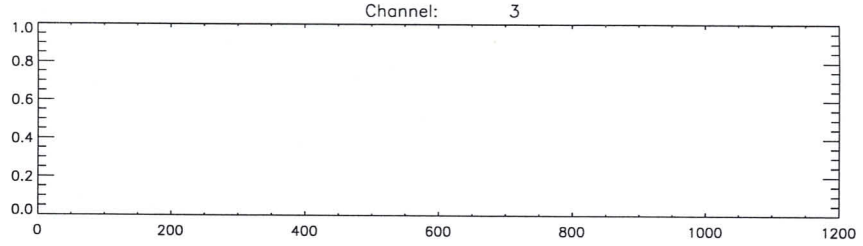
1200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0.0
0
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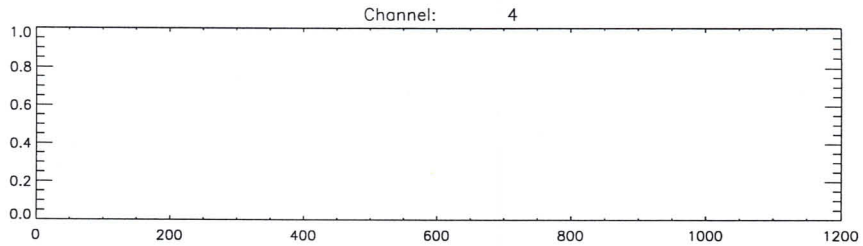
400
600
800
1000
1200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0.0
0
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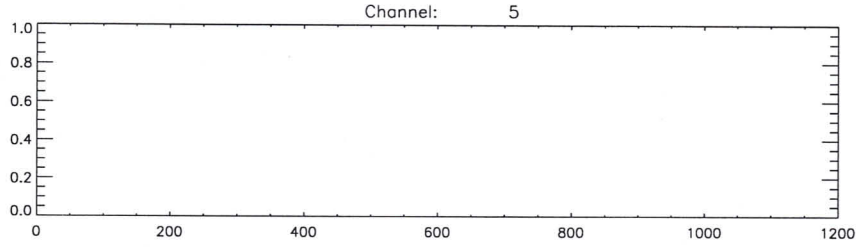
600
800
1000
1200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0.2
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600
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1000
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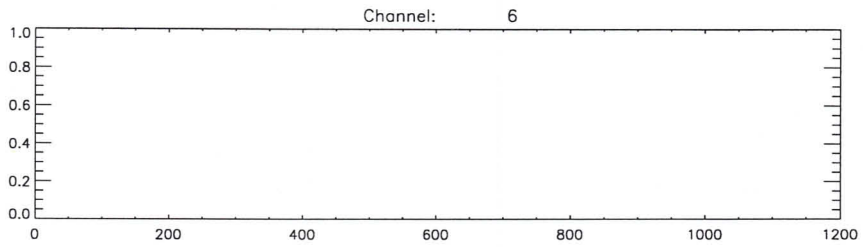
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600
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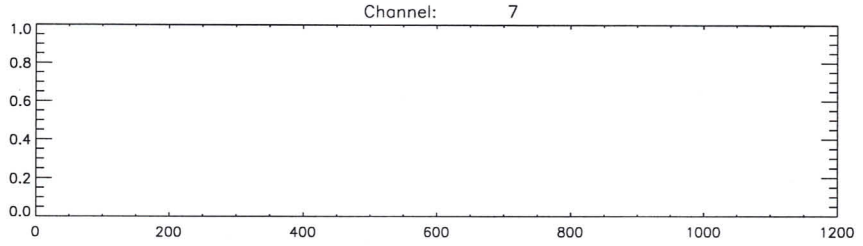
1000
1200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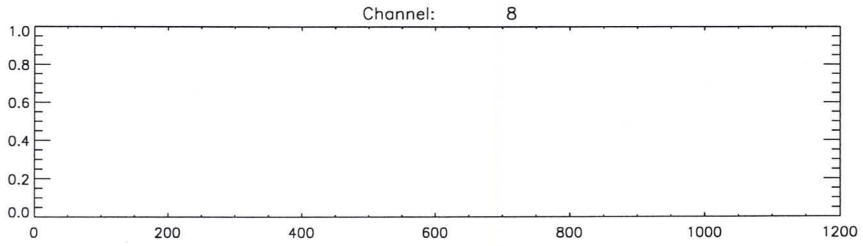
1000
1200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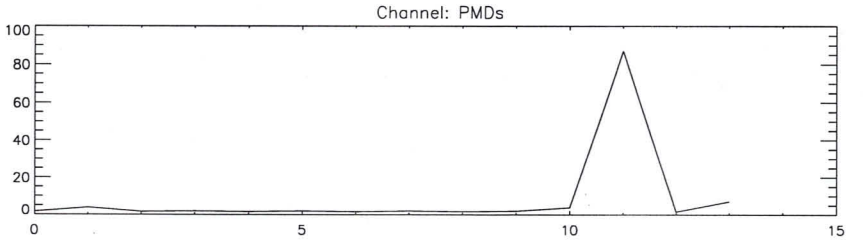
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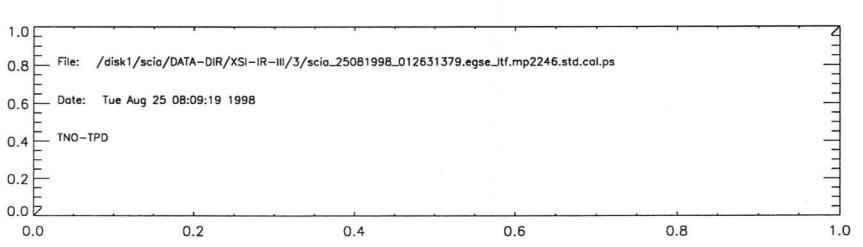
0
5
10
15


File: /disk1/scia/DATA-DIR/XSI-IR-III/3/scia_25081998_012631379.egse_itf.mp2246.std.cal.ps
Date: Tue Aug 25 08:09:19 1998
TNO-TPD
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0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

scia_25081998_012631379.egse_ltf.du1.log
scia_25081998_012631379.egse_ltf.du2.log
scia_25081998_012631379.egse_ltf.mp2244.log
scia_25081998_012631379.egse_ltf.mp2246.log
scia_25081998_012631379.egse_ltf.mp2248.log
scia_25081998_012631379.egse_ltf.mp2250.log
scia_25081998_012631379.egse_ltf.mp2252.log
scia_25081998_012631379.egse_ltf.mp2254.log
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scia_25081998_012631379.egse_ltf.mp2260.log
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scia_25081998_012631379.egse_ltf.mp2264.log
scia_25081998_012631379.egse_ltf.mp2266.log
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scia_25081998_012631379.egse_ltf.mp2364.log
scia_25081998_012631379.egse_ltf.mp2366.log

Log files.
te veel om alles te printen
— mp 2244
mp 2246.

scia_25081998_012631379.egse_ltf.mp2368.log
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scia_25081998_012631379.egse_ltf.mp2488.log
scia_25081998_012631379.egse_ltf.mp2490.log
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scia_25081998_012631379.egse_ltf.mp2494.log

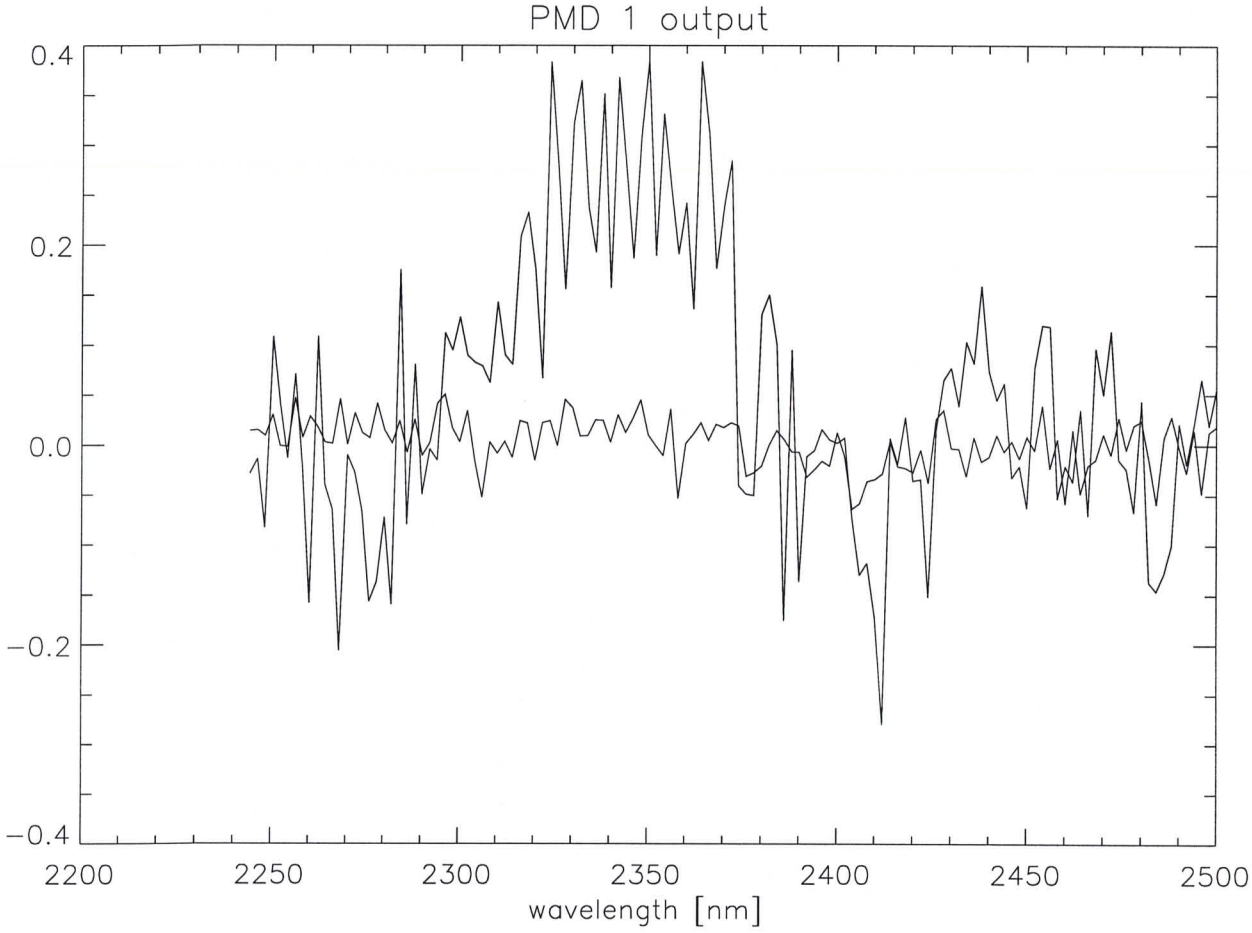
scia_25081998_012631379.egse_ltf.mp2496.log
scia_25081998_012631379.egse_ltf.mp2498.log
scia_25081998_012631379.egse_ltf.mp2500.log

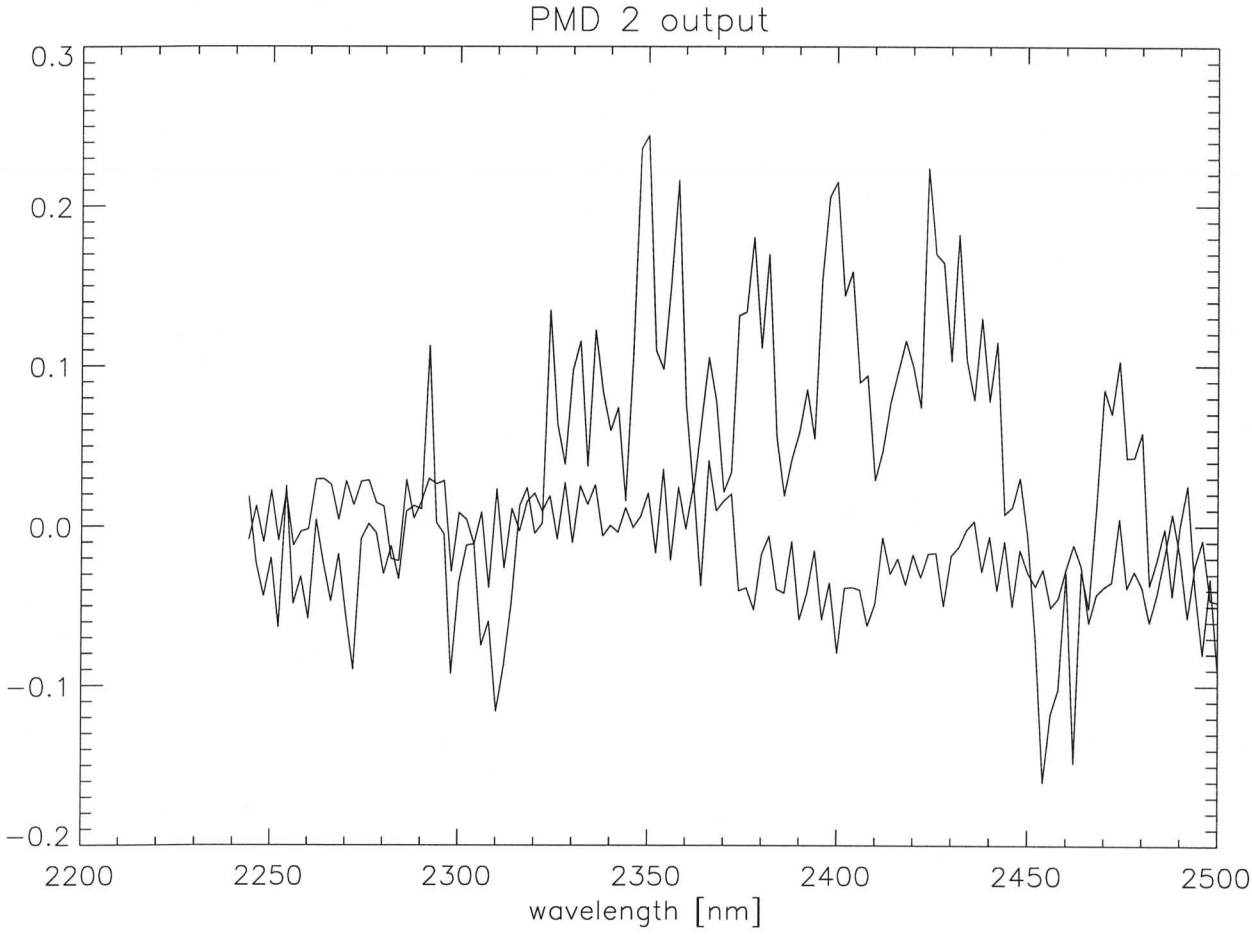
```
time       = Tue Aug 25 08:09:11 1998
batch      = mp2244
Start TOD  = Tue 25-Aug-98 01:29:16
End   TOD  = Tue 25-Aug-98 01:30:48
Processing= computation of average, standard dev. and rel.standard dev.
```

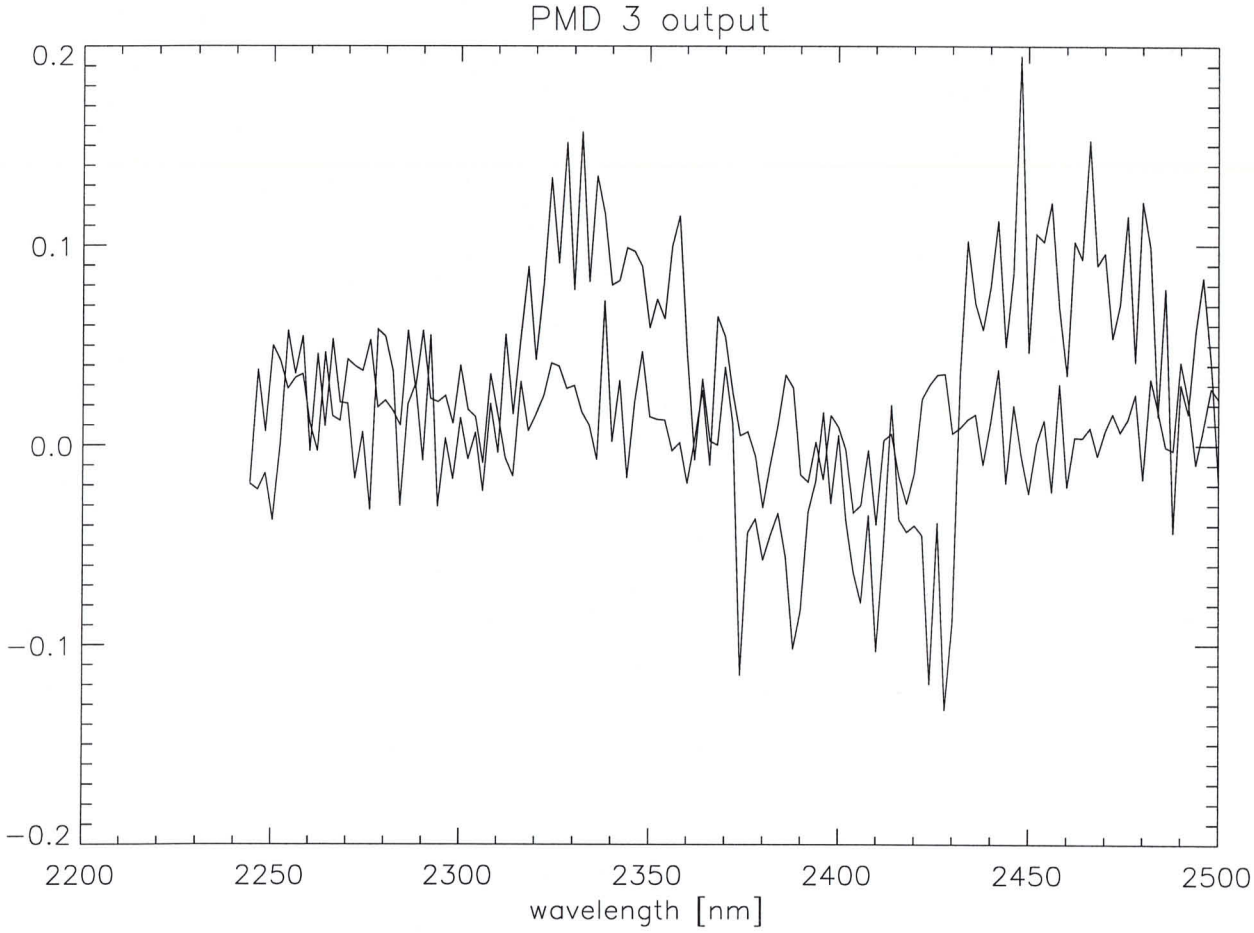
```
time       = Tue Aug 25 08:09:19 1998
batch      = mp2246
Start TOD = Tue 25-Aug-98 01:30:48
End   TOD = Tue 25-Aug-98 01:32:23
Processing= computation of average, standard dev. and rel.standard dev.
```

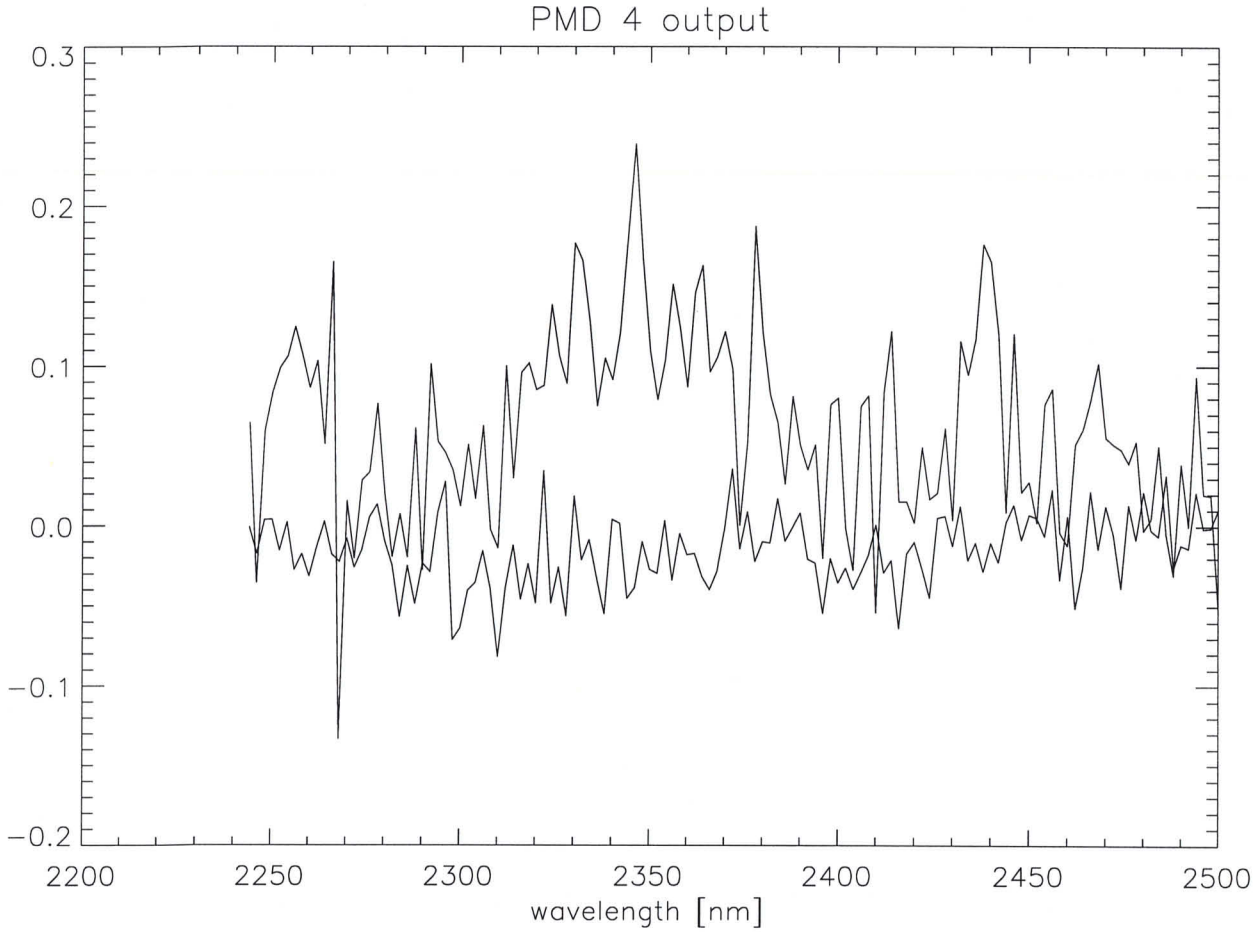
```
2244    2372    scia_25081998_012631379.egse_ltf.du1.avg.cal
2373    2500    scia_25081998_012631379.egse_ltf.du2.avg.cal
```

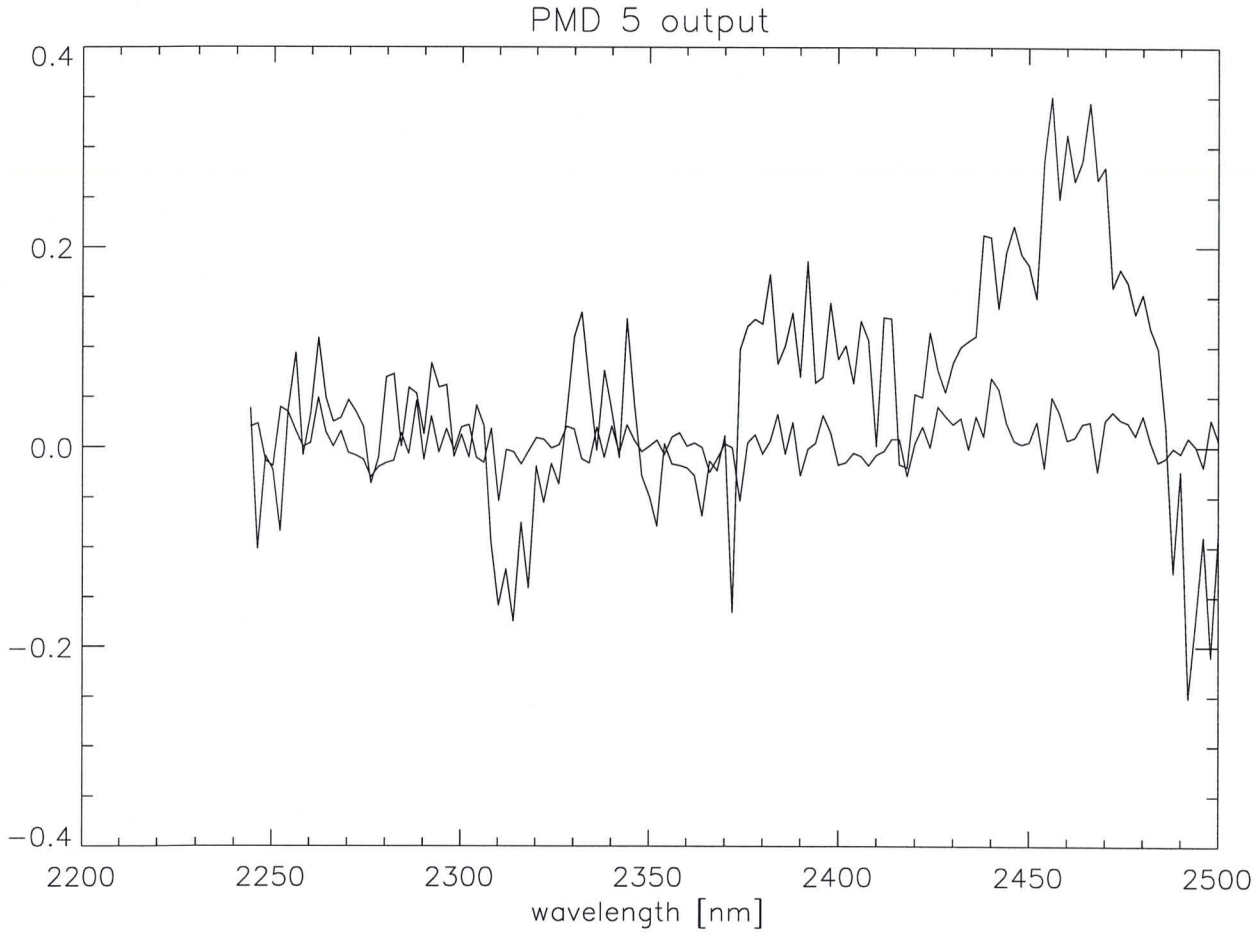
control-file

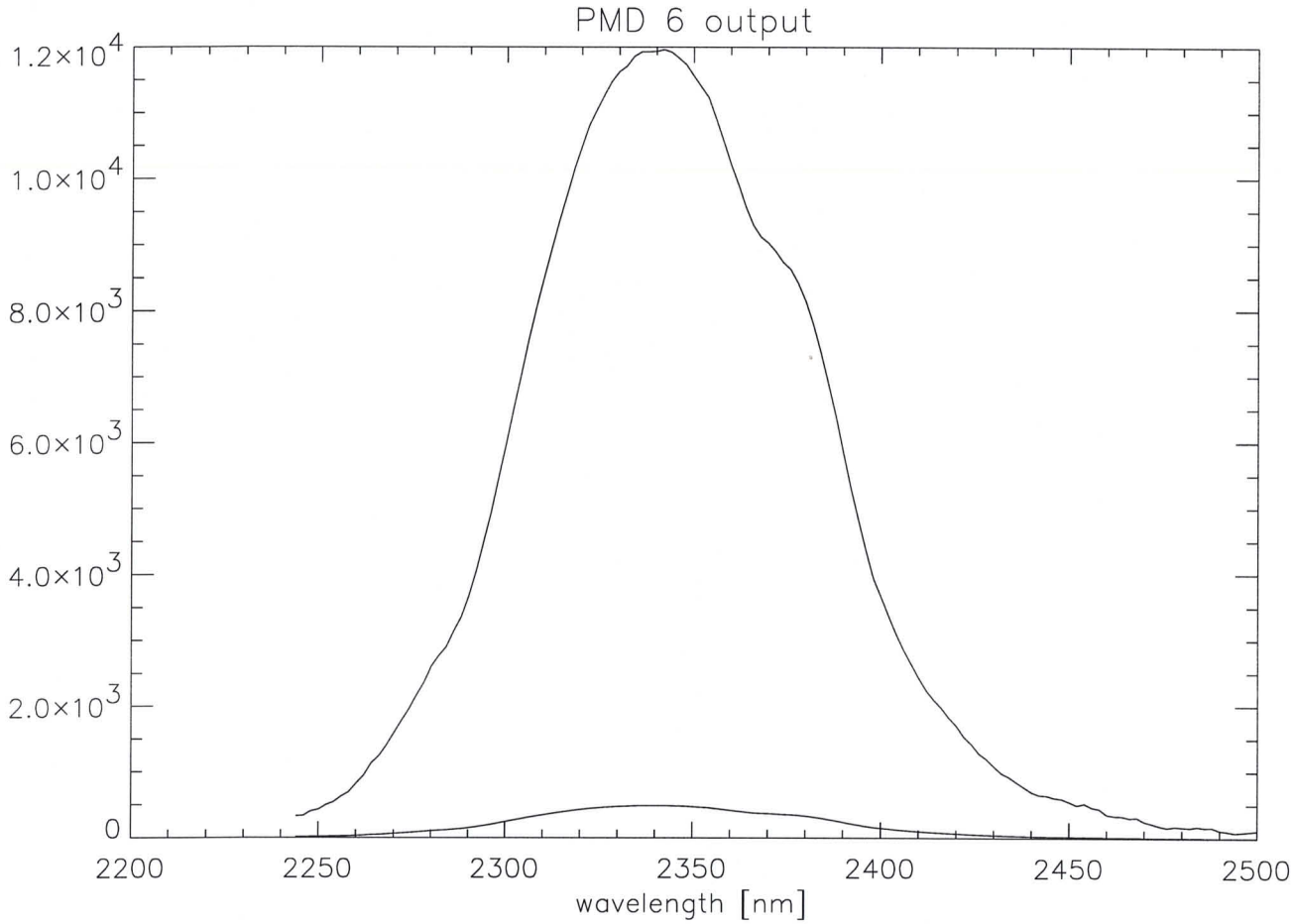

PMD 1 output
0.4
0.2
0.0
−0.2
−0.4
2200
2250
2300
2350
2400
2450
2500
wavelength [nm]

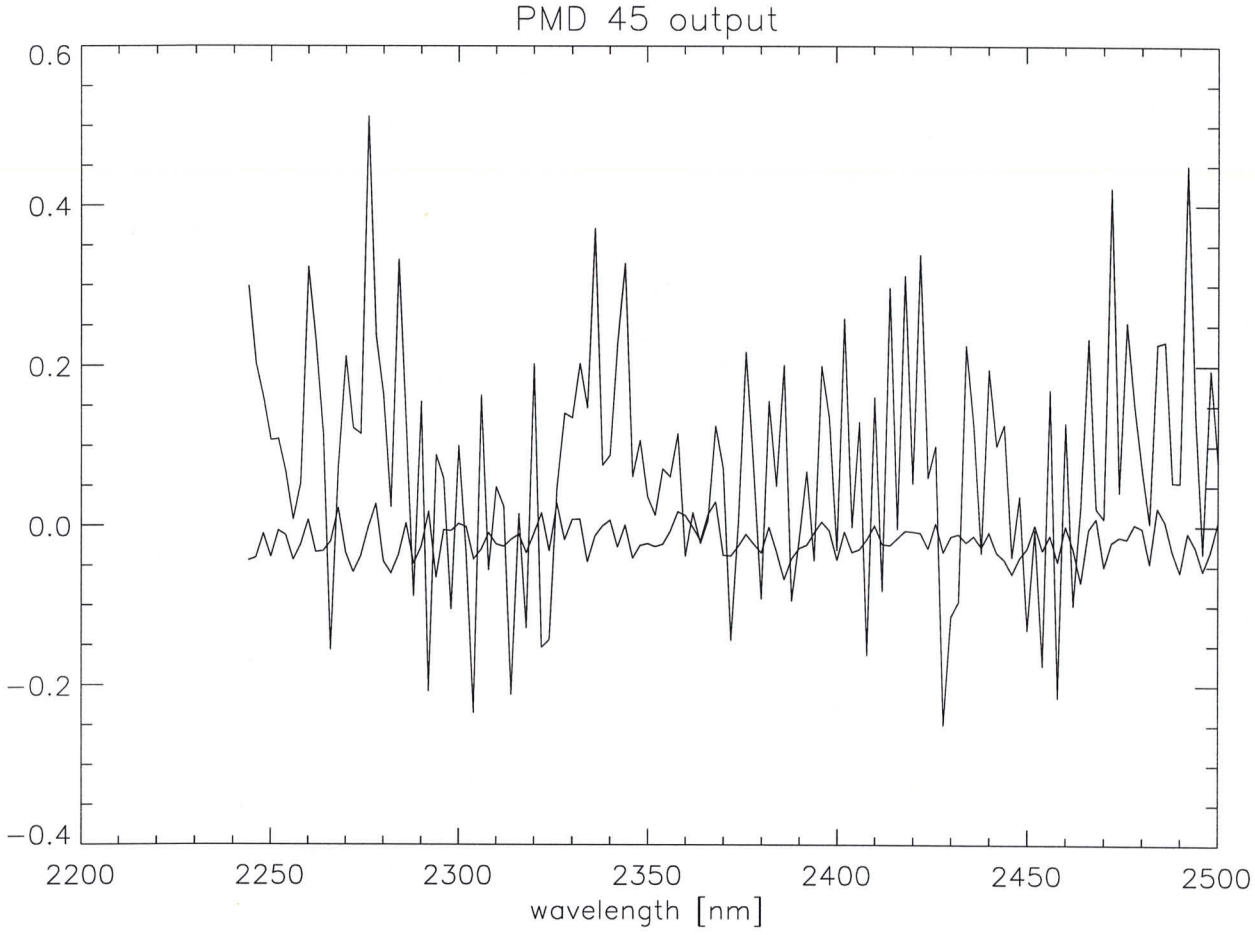

PMD 2 output
0.3
0.2
0.1
0.0
−0.1
−0.2
2200
2250
2300
2350
2400
2450
2500
wavelength [nm]

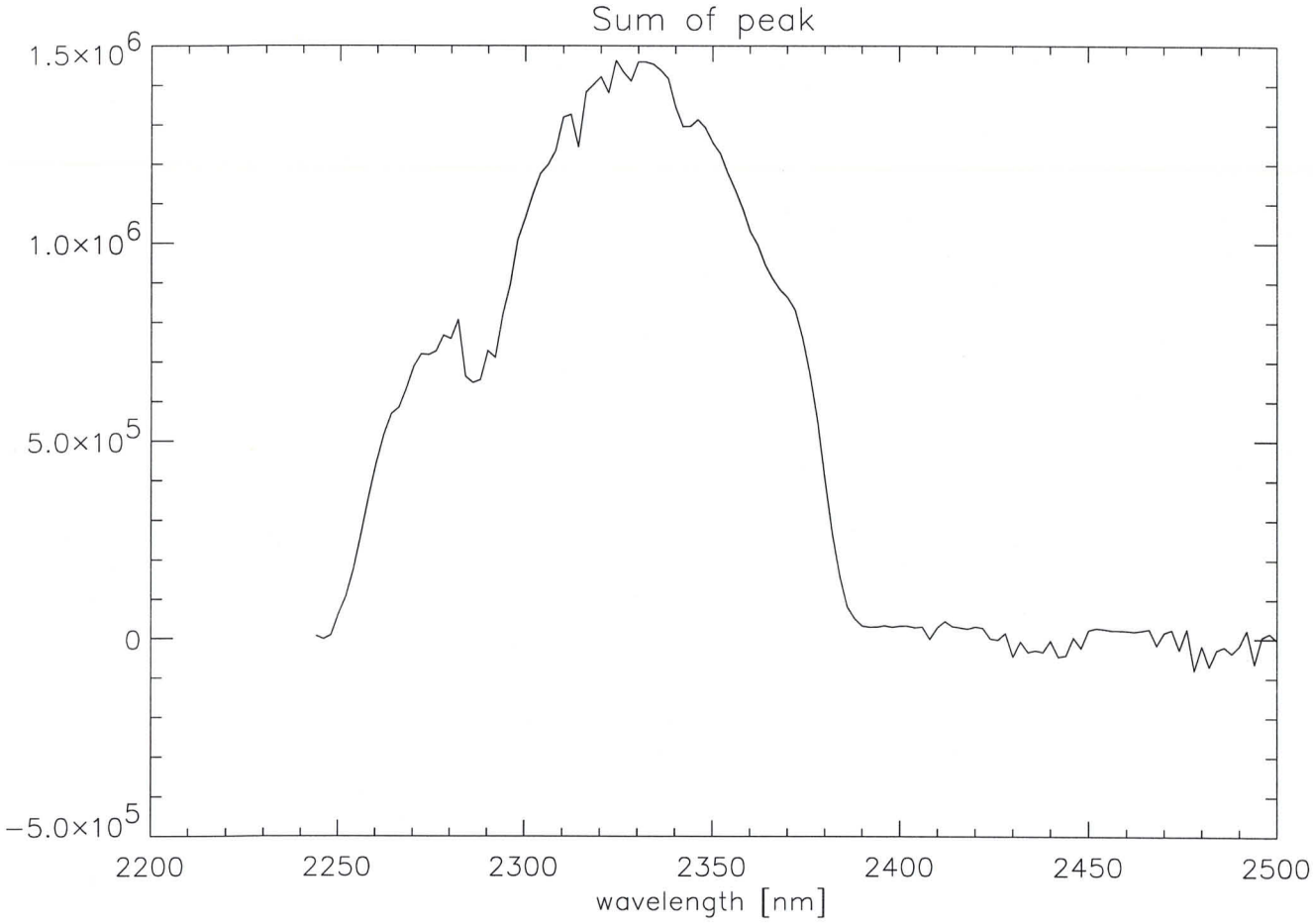

PMD 3 output
0.2
0.1
0.0
−0.1
−0.2
2200
2250
2300
2350
2400
2450
2500
wavelength [nm]

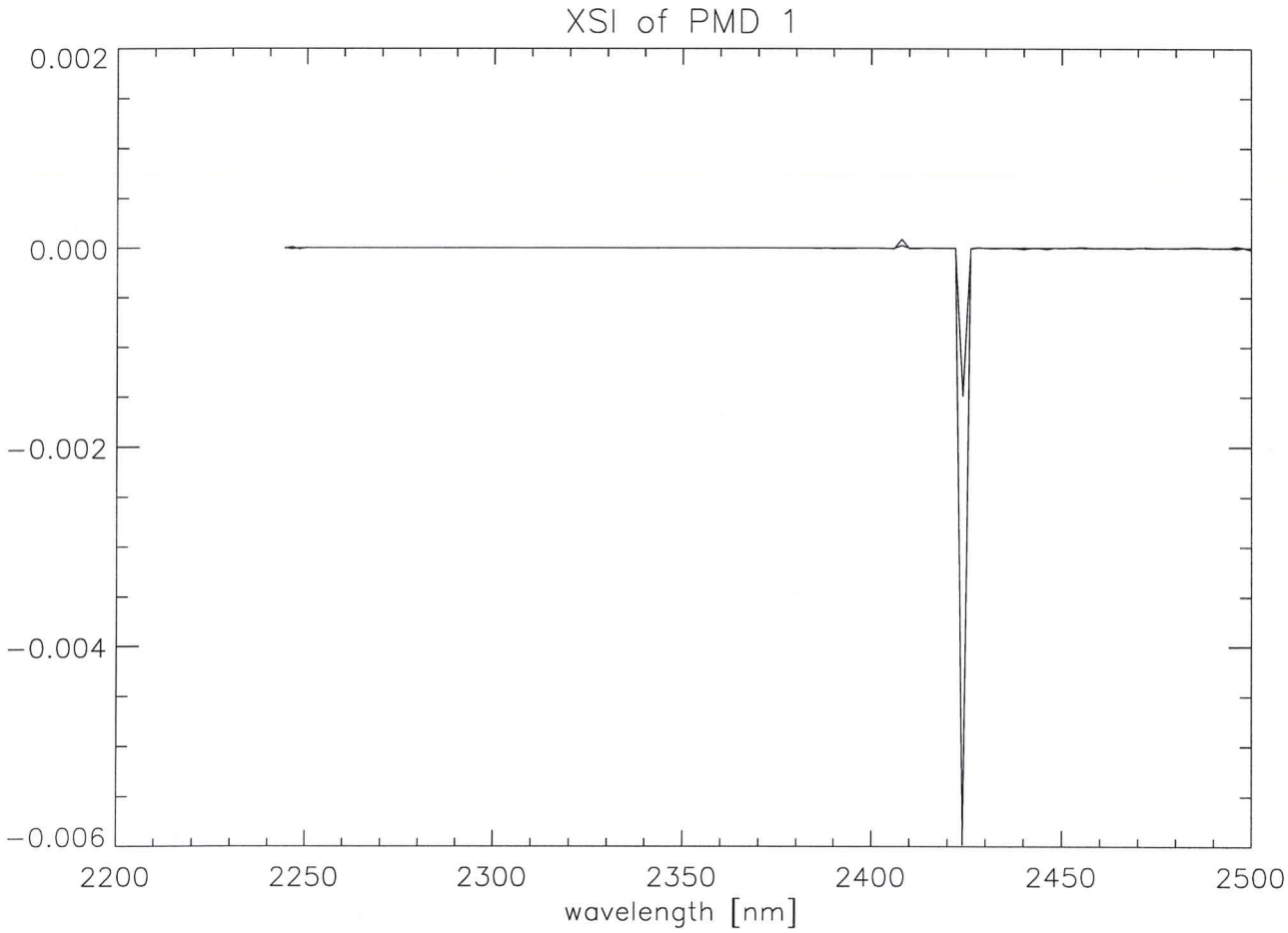

PMD 4 output
0.3
0.2
0.1
0.0
−0.1
−0.2
2200
2250
2300
2350
2400
2450
2500
wavelength [nm]

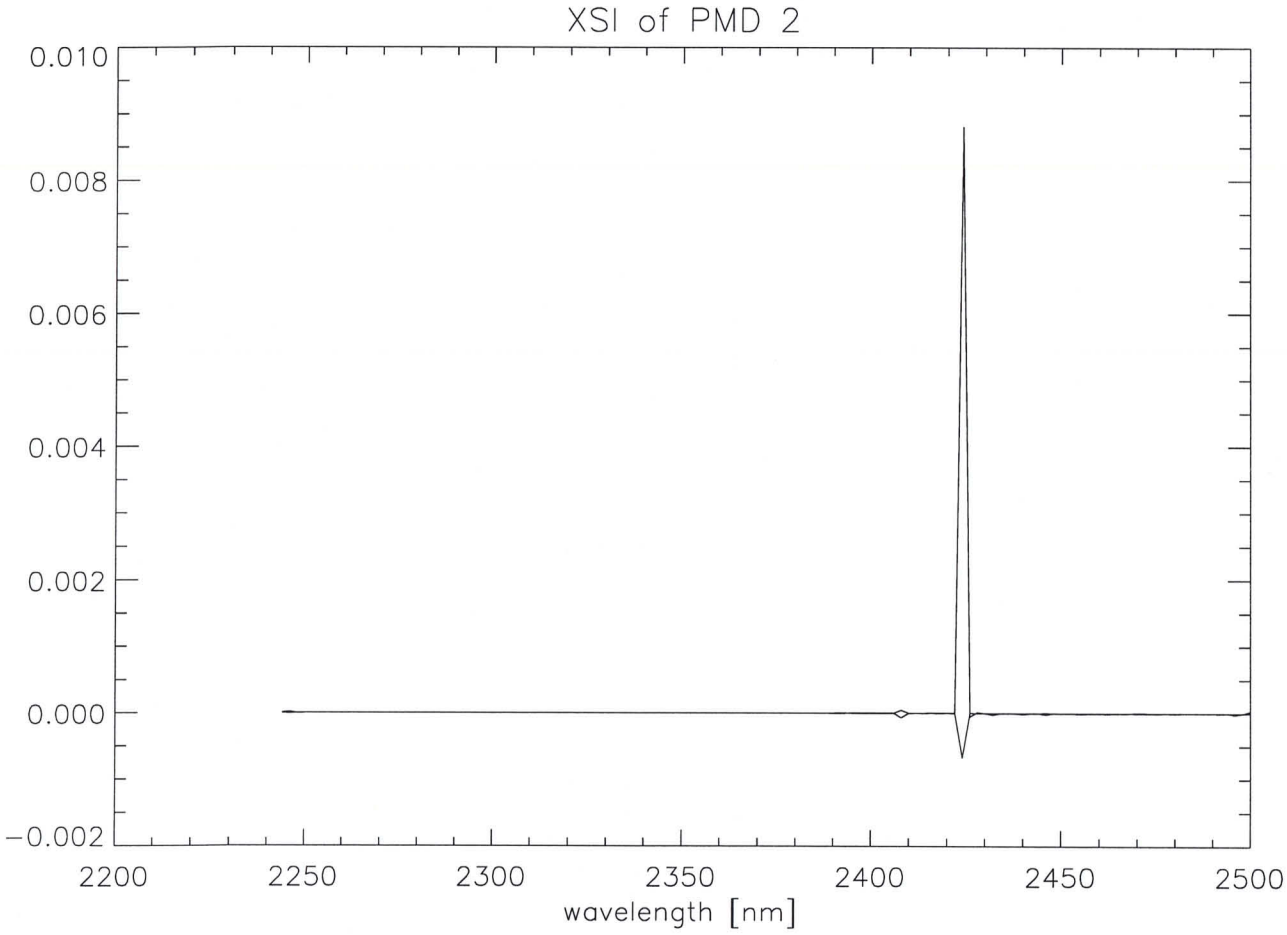

PMD 5 output
0.4
0.2
0.0
−0.2
−0.4
2200
2250
2300
2350
2400
2450
2500
wavelength [nm]

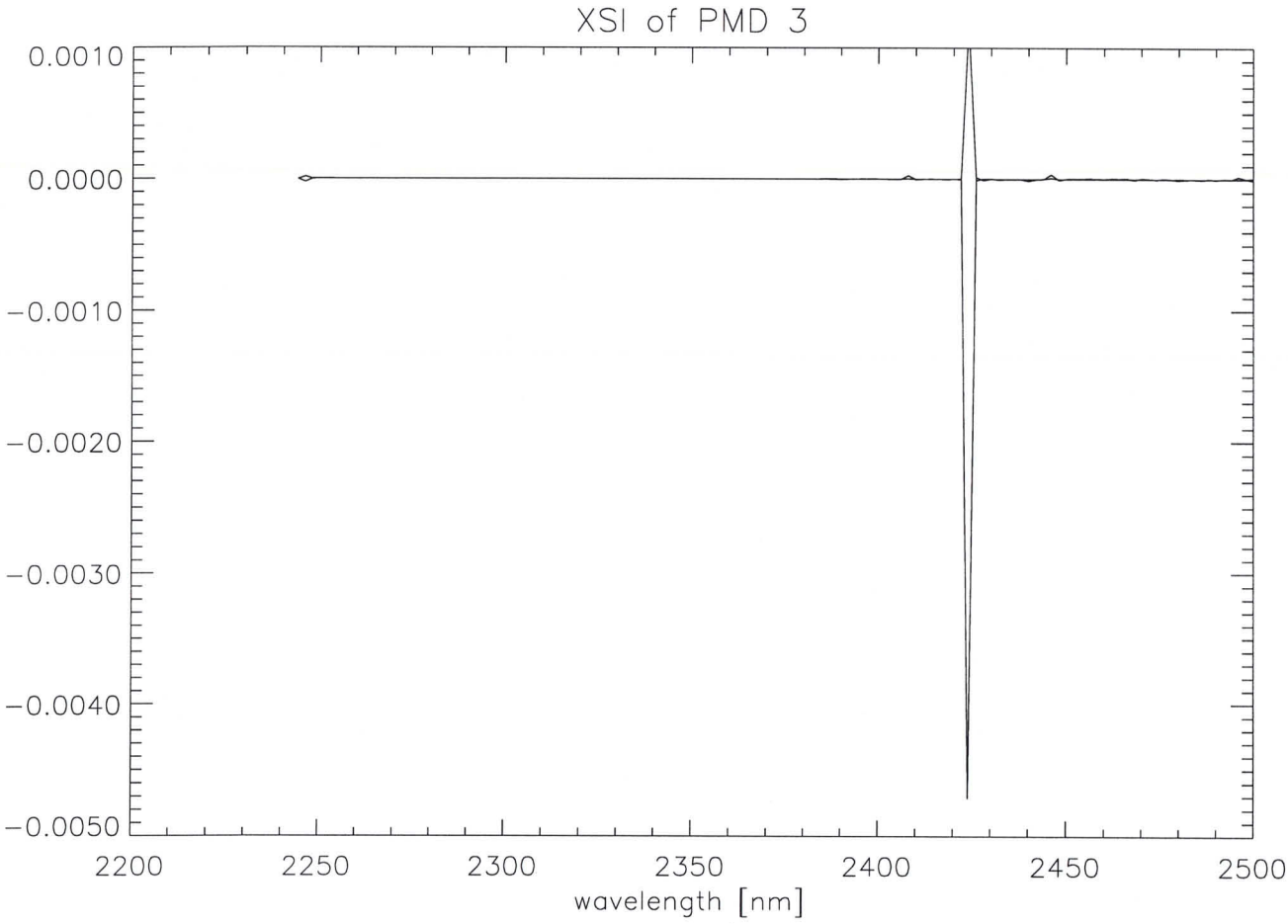

PMD 6 output
1.2×10^4
1.0×10^4
8.0×10^3
6.0×10^3
4.0×10^3
2.0×10^3
0
2200
2250
2300
2350
2400
2450
2500
wavelength [nm]

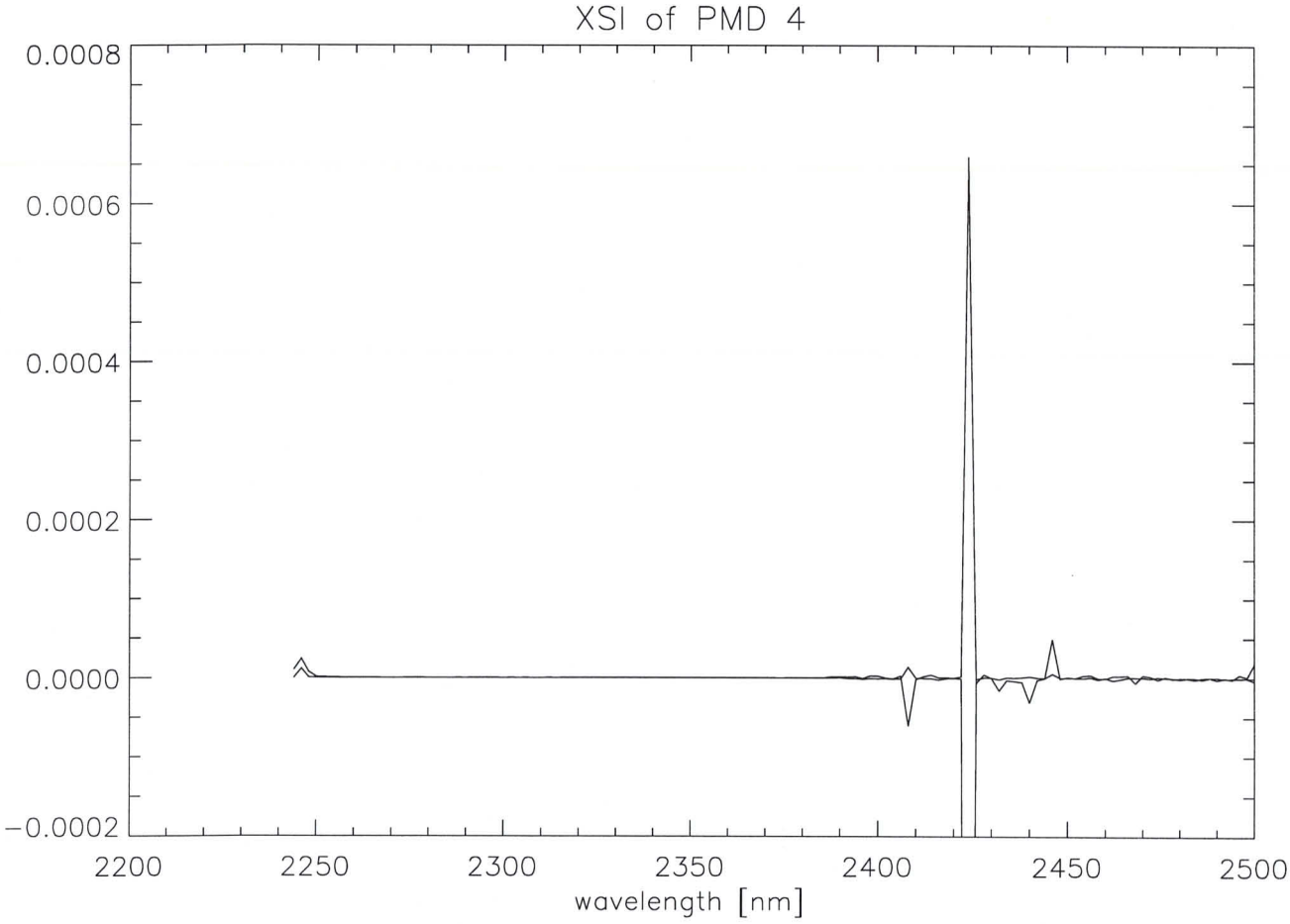

PMD 45 output
0.6
0.4
0.2
0.0
−0.2
−0.4
2200
2250
2300
2350
2400
2450
2500
wavelength [nm]

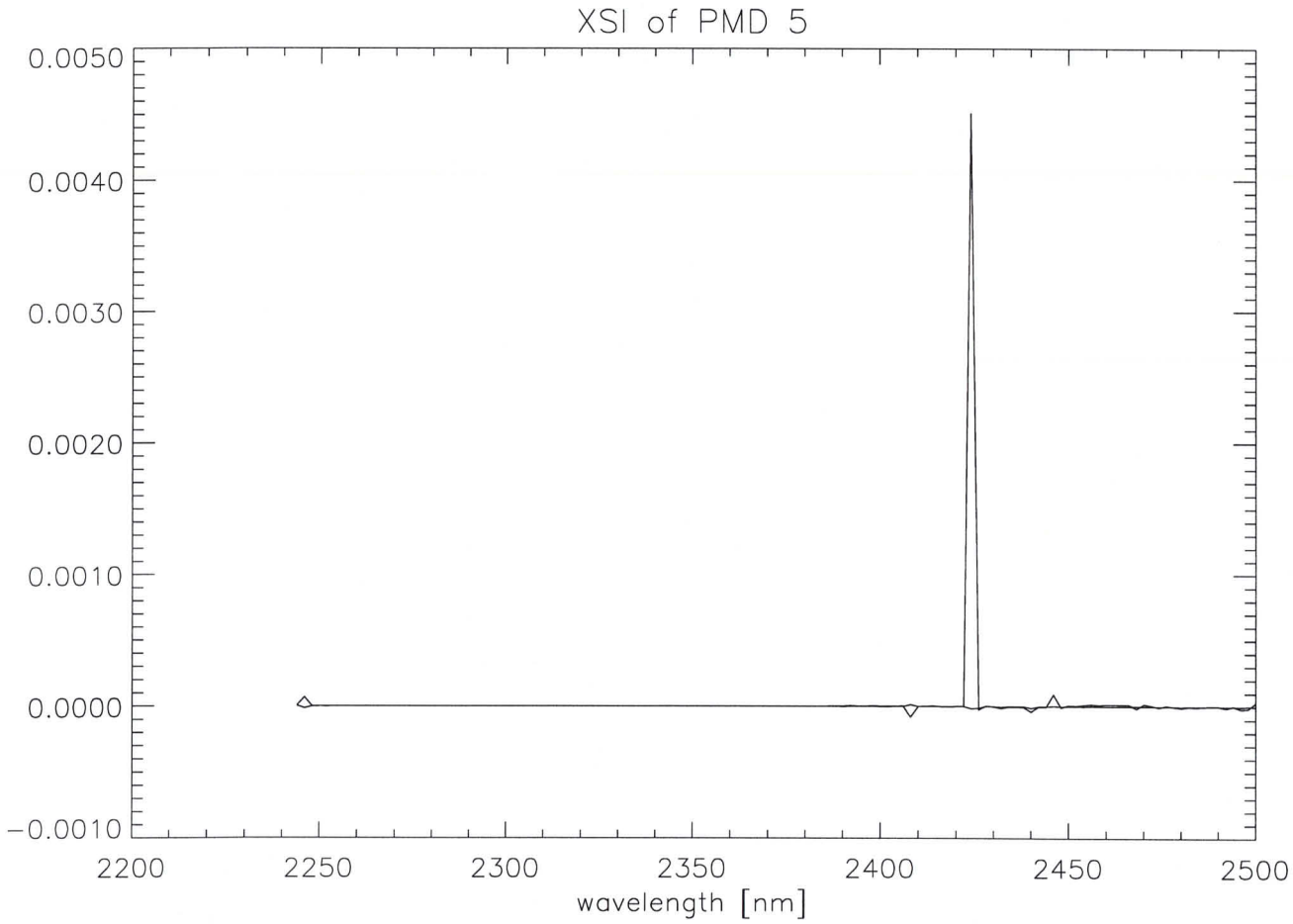

Sum of peak
1.5×10^6
1.0×10^6
5.0×10^5
0
−5.0×10^5
2200
2250
2300
2350
2400
2450
2500
wavelength [nm]

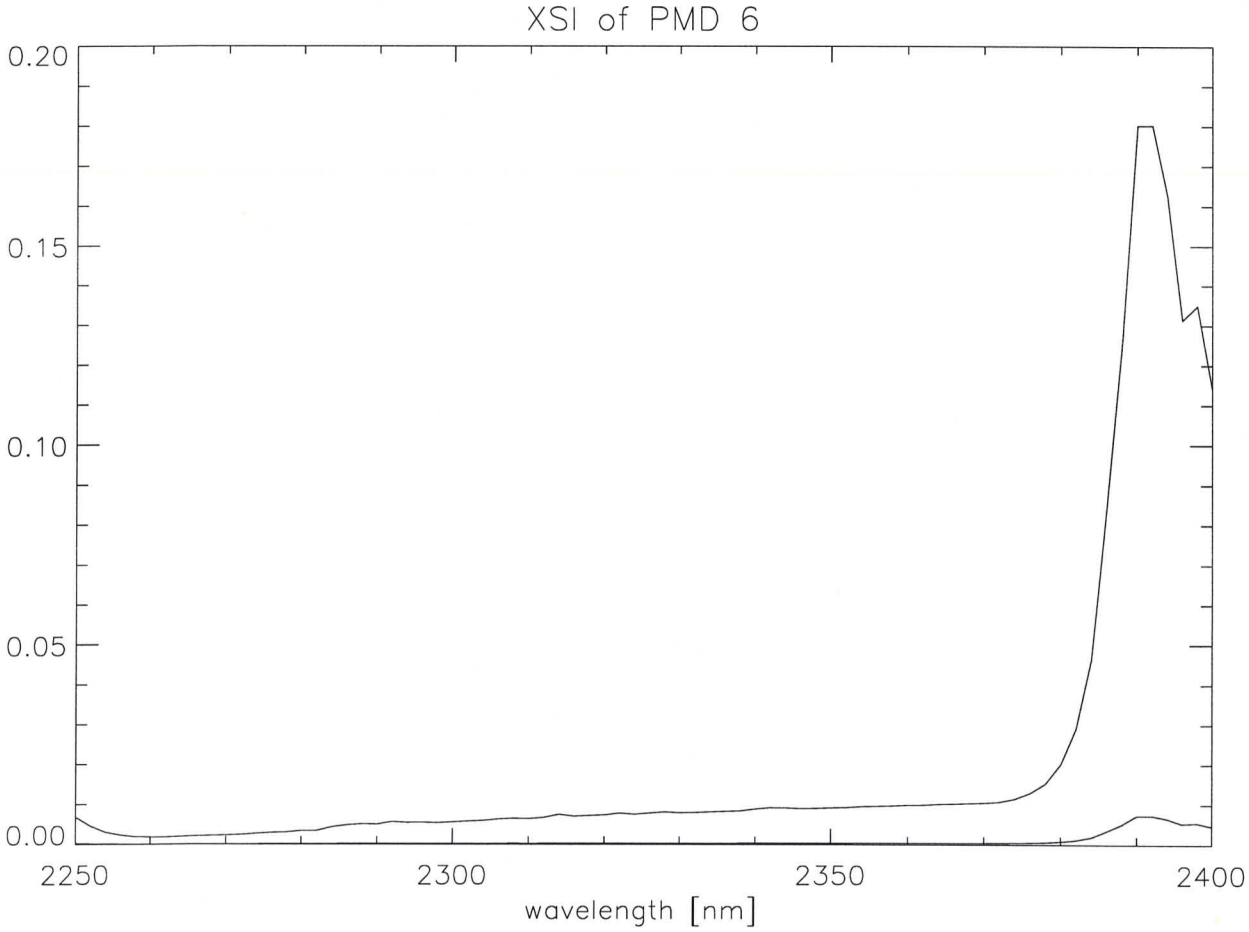

XSI of PMD 1
0.002
0.000
−0.002
−0.004
−0.006
2200
2250
2300
2350
2400
2450
2500
wavelength [nm]

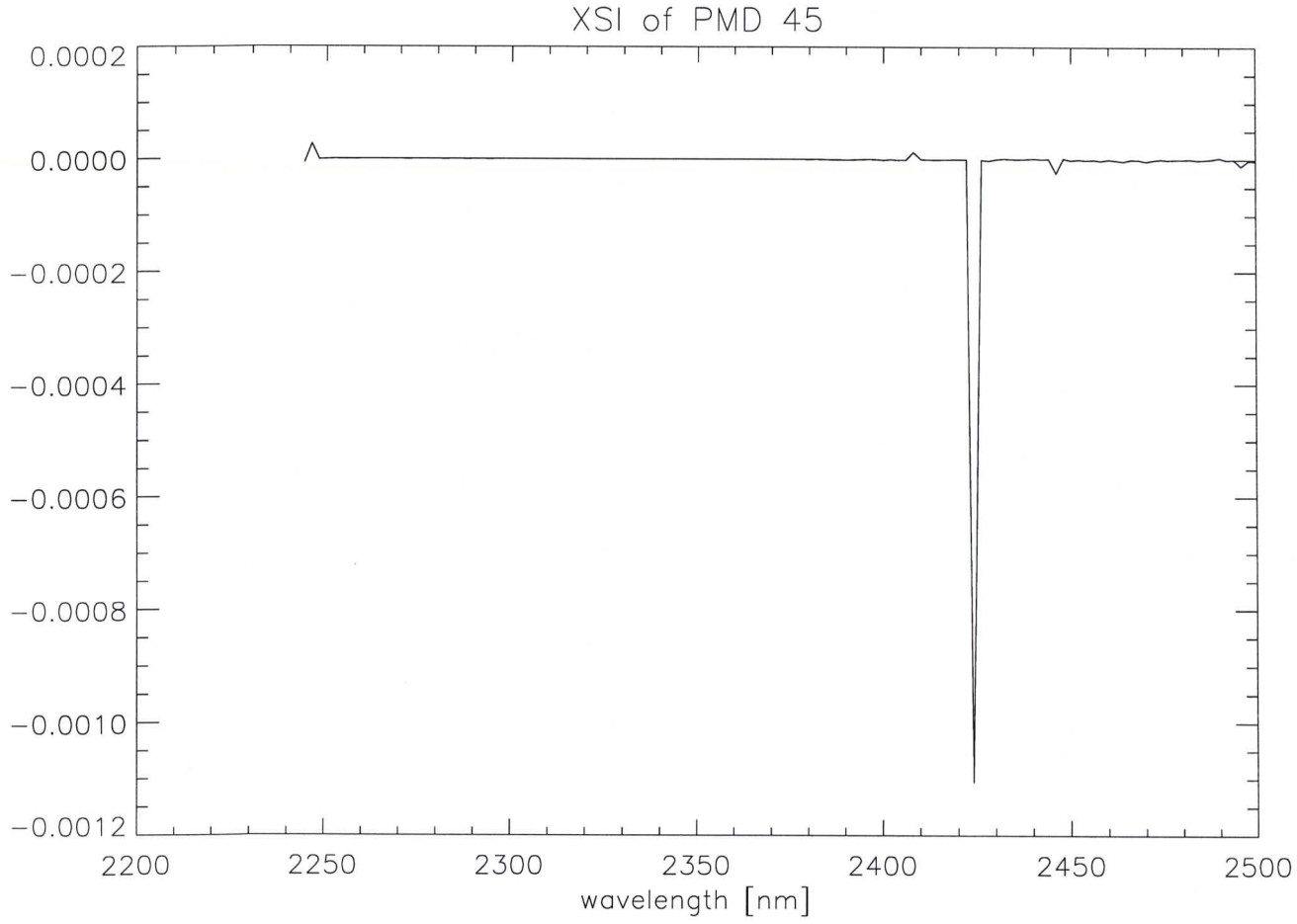

XSI of PMD 2
0.010
0.008
0.006
0.004
0.002
0.000
−0.002
2200
2250
2300
2350
2400
2450
2500
wavelength [nm]


XSI of PMD 3
0.0010
0.0000
−0.0010
−0.0020
−0.0030
−0.0040
−0.0050
2200
2250
2300
2350
2400
2450
2500
wavelength [nm]


XSI of PMD 4
0.0008
0.0006
0.0004
0.0002
0.0000
−0.0002
2200
2250
2300
2350
2400
2450
2500
wavelength [nm]


XSI of PMD 5
0.0050
0.0040
0.0030
0.0020
0.0010
0.0000
−0.0010
2200
2250
2300
2350
2400
2450
2500
wavelength [nm]


XSI of PMD 6
0.20
0.15
0.10
0.05
0.00
2250
2300
2350
2400
wavelength [nm]


XSI of PMD 45
0.0002
0.0000
−0.0002
−0.0004
−0.0006
−0.0008
−0.0010
−0.0012
2200
2250
2300
2350
2400
2450
2500
wavelength [nm]

#####
#####
#####
#####
#####
User: scia6!scia
#####
Title: scia_25081998_012631379.egse_ltf.du1.avg.p1.cal.data.log
#####
scia6
#####
Printed: Tue 09:01 Aug 25, 1998
#####
Job number: hp6mp-609
#####
#####
#####
#####
#####

Version: 0.1
Input files: /disk1/scia/DATA-DIR/XSI-IR-III/3/control-file
scia_25081998_012631379.egse_ltf.du1.avg.cal
scia_25081998_012631379.egse_ltf.du2.avg.cal
/disk1/scia/DATA-DIR/XSI-IR-III/3/scia_25081998_012631379.egse_ltf.mp2244.avg
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/disk1/scia/DATA-DIR/XSI-IR-III/3/scia_25081998_012631379.egse_ltf.mp2448.avg
/disk1/scia/DATA-DIR/XSI-IR-III/3/scia_25081998_012631379.egse_ltf.mp2450.avg
/disk1/scia/DATA-DIR/XSI-IR-III/3/scia_25081998_012631379.egse_ltf.mp2452.avg
/disk1/scia/DATA-DIR/XSI-IR-III/3/scia_25081998_012631379.egse_ltf.mp2454.avg
/disk1/scia/DATA-DIR/XSI-IR-III/3/scia_25081998_012631379.egse_ltf.mp2456.avg
/disk1/scia/DATA-DIR/XSI-IR-III/3/scia_25081998_012631379.egse_ltf.mp2458.avg
/disk1/scia/DATA-DIR/XSI-IR-III/3/scia_25081998_012631379.egse_ltf.mp2460.avg
/disk1/scia/DATA-DIR/XSI-IR-III/3/scia_25081998_012631379.egse_ltf.mp2462.avg
/disk1/scia/DATA-DIR/XSI-IR-III/3/scia_25081998_012631379.egse_ltf.mp2464.avg
/disk1/scia/DATA-DIR/XSI-IR-III/3/scia_25081998_012631379.egse_ltf.mp2466.avg
/disk1/scia/DATA-DIR/XSI-IR-III/3/scia_25081998_012631379.egse_ltf.mp2468.avg
/disk1/scia/DATA-DIR/XSI-IR-III/3/scia_25081998_012631379.egse_ltf.mp2470.avg
/disk1/scia/DATA-DIR/XSI-IR-III/3/scia_25081998_012631379.egse_ltf.mp2472.avg
/disk1/scia/DATA-DIR/XSI-IR-III/3/scia_25081998_012631379.egse_ltf.mp2474.avg
/disk1/scia/DATA-DIR/XSI-IR-III/3/scia_25081998_012631379.egse_ltf.mp2476.avg
/disk1/scia/DATA-DIR/XSI-IR-III/3/scia_25081998_012631379.egse_ltf.mp2478.avg
/disk1/scia/DATA-DIR/XSI-IR-III/3/scia_25081998_012631379.egse_ltf.mp2480.avg
/disk1/scia/DATA-DIR/XSI-IR-III/3/scia_25081998_012631379.egse_ltf.mp2482.avg
/disk1/scia/DATA-DIR/XSI-IR-III/3/scia_25081998_012631379.egse_ltf.mp2484.avg
/disk1/scia/DATA-DIR/XSI-IR-III/3/scia_25081998_012631379.egse_ltf.mp2486.avg
/disk1/scia/DATA-DIR/XSI-IR-III/3/scia_25081998_012631379.egse_ltf.mp2488.avg
/disk1/scia/DATA-DIR/XSI-IR-III/3/scia_25081998_012631379.egse_ltf.mp2490.avg

/disk1/scia/DATA-DIR/XSI-IR-III/3/scia_25081998_012631379.egse_ltf.mp2492.avg
/disk1/scia/DATA-DIR/XSI-IR-III/3/scia_25081998_012631379.egse_ltf.mp2494.avg
/disk1/scia/DATA-DIR/XSI-IR-III/3/scia_25081998_012631379.egse_ltf.mp2496.avg
/disk1/scia/DATA-DIR/XSI-IR-III/3/scia_25081998_012631379.egse_ltf.mp2498.avg
/disk1/scia/DATA-DIR/XSI-IR-III/3/scia_25081998_012631379.egse_ltf.mp2500.avg
Processing:
Computation of XSI
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/latest/ppg.cal
ETALON correction filename used: /disk1/scia/DATA-DIR/CORR/latest/etalon.cal
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/wl.data
STRAYLIGHT correction filename used: /disk1/scia/DATA-DIR/CORR/latest/stray.da
Processing time: Tue Aug 25 09:06:45 1998
Output file name:
/disk1/scia/DATA-DIR/XSI-IR-III/3/scia_25081998_012631379.egse_ltf.du1.avg.p1.